

# City of Carlsbad

1635 Faraday Av Carlsbad, CA 92008

07-08-2008

**Commercial/Industrial Permit** Permit No CB080879

Building Inspection Request Line (760) 602-2725

Job Address	2055 CORTE DEL NOGAL CBAD				
Permit Type	TI	Sub Type	INDUST		
Parcel No	2130610800	Lot #	0	Status	ISSUED
Valuation	\$939 916 00	Construction Type	5B	Applied	05/14/2008
Occupancy Group		Reference #		Entered By	RMA
Project Title	MC CONSULTANTS- 27,347 SF			Plan Approved	07/08/2008
	OFFICE TO OFFICE			Issued	07/08/2008
				Inspect Area	
				Plan Check#	

Applicant	Owner
S D C CORTE L L C	S D C CORTE L L C

7065 EL CAJON BLVD  
SAN DIEGO CA 92115

7065 EL CAJON BLVD  
SAN DIEGO CA 92115

Building Permit	\$3,194 25	Meter Size	
Add'l Building Permit Fee	\$0 00	Add'l Recl Water Con Fee	\$0 00
Plan Check	\$2 076 26	Meter Fee	\$0 00
Add'l Plan Check Fee	\$0 00	SDCWA Fee	\$0 00
Plan Check Discount	\$0 00	CFD Payoff Fee	\$0 00
Strong Motion Fee	\$197 38	PFF (3105540)	\$0 00
Park Fee	\$0 00	PFF (4305540)	\$0 00
LFM Fee	\$0 00	License Tax (3104193)	\$0 00
Bridge Fee	\$0 00	License Tax (4304193)	\$0 00
BTD #2 Fee	\$0 00	Traffic Impact Fee (3105541)	\$0 00
BTD #3 Fee	\$0 00	Traffic Impact Fee (4305541)	\$0 00
Renewal Fee	\$0 00	PLUMBING TOTAL	\$433 00
Add'l Renewal Fee	\$0 00	ELECTRICAL TOTAL	\$210 00
Other Building Fee	\$0 00	MECHANICAL TOTAL	\$106 50
Pot Water Con Fee	\$0 00	Master Drainage Fee	\$0 00
Meter Size		Sewer Fee	\$0 00
Add'l Pot Water Con Fee	\$0 00	Redev Parking Fee	\$0 00
Recl Water Con Fee	\$0 00	Additional Fees	\$0 00
		HMP Fee	??
		TOTAL PERMIT FEES	\$6 217 39

Total Fees	\$6,217 39	Total Payments To Date	\$6,217 39	Balance Due	\$0 00
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**BUILDING PLANS**  
☒ IN STORAGE  
☐ ATTACHED

Inspector JH

**FINAL APPROVAL**

Date 7/15/08

Clearance \_\_\_\_\_

NOTICE Please take NOTICE that approval of your project includes the Imposition of fees dedications reservations or other exactions hereafter collectively referred to as fees/exactions You have 90 days from the date this permit was issued to protest imposition of these fees/exactions If you protest them you must follow the protest procedures set forth in Government Code Section 66020(a) and file the protest and any other required information with the City Manager for processing in accordance with Carlsbad Municipal Code Section 3 32 030 Failure to timely follow that procedure will bar any subsequent legal action to attack review set aside void or annul their imposition

You are hereby FURTHER NOTIFIED that your right to protest the specified fees/exactions DOES NOT APPLY to water and sewer connection fees and capacity changes nor planning zoning grading or other similar application processing or service fees in connection with this project NOR DOES IT APPLY to any fees/exactions of which you have previously been given a NOTICE similar to this or as to which the statute of limitations has previously otherwise expired

# City of Carlsbad

1635 Faraday Ave Carlsbad CA 92008  
760 602 2717 / 2718 / 2719  
Fax 760-602 8558



Plan Check No

CB080879

Est Value

957145

Plan Ck Deposit

2109.61

Date

5/14/08

## Building Permit Application

JOB ADDRESS <b>2055 CORTE DEL NOGAL</b>				SUITE#/SPACE#/UNIT#		APN <b>213-061-08</b>			
CITY/PROJECT # <b>CARLSBAD</b>	LOT #	PHASE #	# OF UNITS	# BEDROOMS	# BATHROOMS <b>4</b>	TENANT BUSINESS NAME <b>MC CONSULTANTS</b>	CONSTR TYPE <b>V-B</b>	OCC GROUP <b>B</b>	
DESCRIPTION OF WORK Include Square Feet of Affected Area(s) <b>COMMERCIAL OFFICE TI WITHIN AN EXISTING BUILDING SHELL (EXISTING SIMILAR USE) 27,347 sq ft OFFICE TO OFFICE</b>									
EXISTING USE <b>OFFICE - B</b>		PROPOSED USE <b>OFFICE - B</b>		GARAGE (SF)	PATIOS (SF)	DECKS (SF)	FIREPLACE YES <input type="checkbox"/> # NO <input type="checkbox"/>	AIR CONDITIONING YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	FIRE SPRINKLERS YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
CONTACT NAME (If Different From Applicant) <b>WARREN W SCOTT</b>					APPLICANT NAME <b>WARREN W SCOTT</b>				
ADDRESS <b>987 HERMES AVE</b>					ADDRESS <b>SAME</b>				
CITY <b>ENCINITAS</b>		STATE <b>CA</b>		ZIP <b>92024</b>	CITY		STATE	ZIP	
PHONE <b>760 943 8180</b>		FAX <b>760 943 0119</b>		PHONE		FAX			
EMAIL <b>WSCOTT@USAAIA.COM</b>					EMAIL				
PROPERTY OWNER NAME <b>CORTE DEL NOGAL ASSOC.</b>					CONTRACTOR BUS NAME <b>MC3 CONSULTANTS INC</b>				
ADDRESS <b>7065 EL CAJON BLVD</b>					ADDRESS <b>5245 AVENIDA ENCINAS SUITE E</b>				
CITY <b>SAN DIEGO</b>		STATE <b>CA</b>		ZIP <b>92115</b>	CITY <b>CARLSBAD</b>		STATE <b>CA</b>	ZIP <b>92008</b>	
PHONE <b>619 286 1633</b>		FAX		PHONE <b>760-930-9966</b>		FAX <b>760-930-9974</b>			
EMAIL					EMAIL <b>SEAN.KABO@MCCONSULTANTS.COM</b>				
ARCH/DESIGNER NAME & ADDRESS <b>WARREN SCOTT</b>				STATE LIC # <b>C11211</b>	STATE LIC # <b>917929</b>		CLASS <b>B</b>	CITY BUS LIC #	

(Sec. 7031.5 Business and Professions Code Any City or County which requires a permit to construct, alter, improve, demolish or repair any structure, prior to its issuance also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 commencing with Section 7000 of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).)

### WORKERS' COMPENSATION

Workers' Compensation Declaration I hereby affirm under penalty of perjury one of the following declarations

- ☐ I have and will maintain a certificate of consent to self insure for workers' compensation as provided by Section 3700 of the Labor Code for the performance of the work for which this permit is issued
- ☐ I have and will maintain workers' compensation as required by Section 3700 of the Labor Code for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are Insurance Co **TRAVELERS INDEMNITY COMPANY OF CONNECTICUT** Policy No **UB3013M646** Expiration Date **5/1/09**

This section need not be completed if the permit is for one hundred dollars (\$100) or less

☐ Certificate of Exemption I certify that in the performance of the work for which this permit is issued I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California. **WARNING Failure to secure workers' compensation coverage is unlawful and shall subject an employer to criminal penalties and civil fines up to one hundred thousand dollars (\$100,000) in addition to the cost of compensation damages as provided for in Section 3706 of the Labor code interest and attorney's fees**

☒ CONTRACTOR SIGNATURE **Sever**

DATE **7/8/08**

### OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from Contractor's License Law for the following reason

- ☐ I as owner of the property or my employees with wages as their sole compensation will do the work and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees provided that such improvements are not intended or offered for sale. If however the building or improvement is sold within one year of completion the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale)
- ☐ I as owner of the property am exclusively contracting with licensed contractors to construct the project (Sec. 7044 Business and Professions Code The Contractor's License Law does not apply to an owner of property who builds or improves thereon and contracts for such projects with contractor(s) licensed pursuant to the Contractor's License Law)
- ☐ I am exempt under Section \_\_\_\_\_ Business and Professions Code for this reason
- I personally plan to provide the major labor and materials for construction of the proposed property improvement ☐ Yes ☐ No
  - I (have / have not) signed an application for a building permit for the proposed work
  - I have contracted with the following person (firm) to provide the proposed construction (include name address / phone / contractors' license number)
  - I plan to provide portions of the work but I have hired the following person to coordinate supervise and provide the major work (include name / address / phone / contractors' license number)
  - I will provide some of the work but I have contracted (hired) the following persons to provide the work indicated (include name / address / phone / type of work)

☒ PROPERTY OWNER SIGNATURE

DATE

### COMPLETE THIS SECTION FOR NON-RESIDENTIAL BUILDING PERMITS ONLY

Is the applicant or future building occupant required to submit a business plan acutely hazardous materials registration form or risk management and prevention program under Sections 25505 25533 or 25534 of the Presley Tanner Hazardous Substance Account Act? ☐ Yes ☐ No

Is the applicant or future building occupant required to obtain a permit from the air pollution control district or air quality management district? ☐ Yes ☐ No

Is the facility to be constructed within 1,000 feet of the outer boundary of a school site? ☐ Yes ☐ No

IF ANY OF THE ANSWERS ARE YES A FINAL CERTIFICATE OF OCCUPANCY MAY NOT BE ISSUED UNLESS THE APPLICANT HAS MET OR IS MEETING THE REQUIREMENTS OF THE OFFICE OF EMERGENCY SERVICES AND THE AIR POLLUTION CONTROL DISTRICT

### CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work this permit is issued (Sec. 3097 (i) Civil Code)

Lender's Name

Lender's Address

### APPLICANT CERTIFICATION

I certify that I have read the application and state that the above information is correct and that the information on the plans is accurate. I agree to comply with all City ordinances and State laws relating to building construction.

I hereby authorize representative of the City of Carlsbad to enter upon the above mentioned property for inspection purposes. I ALSO AGREE TO SAVE INDEMNIFY AND KEEP HARMLESS THE CITY OF CARLSBAD AGAINST ALL LIABILITIES JUDGMENTS COSTS AND EXPENSES WHICH MAY IN ANY WAY ACCRUE AGAINST SAID CITY IN CONSEQUENCE OF THE GRANTING OF THIS PERMIT.

OSHA An OSHA permit is required for excavations over 50' deep and demolition or construction of structures over 3 stories in height.

EXPIRATION Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within 180 days from the date of such permit or if the building or work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days (Section 106.4.4 Uniform Building Code)

☒ APPLICANT'S SIGNATURE **Warren**

DATE

**May 14, 08**



## Christine Wauschek - MC Consultants Building

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**From** "Michael Elliott" <mikeelliott2@cox.net>  
**To** "Pete Dreibelbis" <pdrei@c1.carlsbad.ca.us>, "Michele Masterson" <mmast@c1.carlsbad.ca.us>, "Meghan Jacobson" <mjaco@c1.carlsbad.ca.us>, "Christine Wauschek" <cwaus@c1.carlsbad.ca.us>, "Janean Hawney" <Jhawn@c1.carlsbad.ca.us>, <sean.kabo@mcconsultants.com>  
**Date** 12/11/2008 10:41 AM  
**Subject** MC Consultants Building  
**Attachments** 357 - MC Consulting Building - Insp2.doc

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MC Consultants Building

Project Number PD 08-10

Drawing Number 461-3L

2055 Corte Del Nogal – CB080879

Landscape inspection comments are attached

Approved - Permit card was signed on December 11, 2008

# Inspection List

Permit#	CB080879	Type	TI	INDUST	MC CONSULTANTS- 27,347 SF OFFICE TO OFFICE
Date	Inspection Item	Inspector	Act	Comments	
12/05/2008 89	Final Combo	JM	CO	NEED PLANNING OK TO OCCUPY BLDG	
12/05/2008 89	Final Combo	-	RI		
12/04/2008 89	Final Combo	-	RI		
12/04/2008 89	Final Combo	JM	CO	NEED PLANNING/LIST	
12/02/2008 89	Final Combo	-	RI		
12/02/2008 89	Final Combo	JM	CA	SHAWN	
12/01/2008 89	Final Combo	-	RI	p m please	
12/01/2008 89	Final Combo	JM	CO	NEED ALL DEPARTMENTS	
11/21/2008 19	Final Structural	JM	NR		
11/21/2008 39	Final Electrical	JM	NR		
11/21/2008 39	Final Electrical	JM	CO		
11/20/2008 31	Underground/Conduit-Wirin	JM	AP	LIGHT POLES	
11/13/2008 11	Ftg/Foundation/Piers	JM	AP	LIGHT POLE FTGS	
11/13/2008 31	Underground/Conduit-Wirin	JM	PA		
11/10/2008 34	Rough Electric	JM	CO		
10/31/2008 14	Frame/Steel/Bolting/Weldin	JM	AP	1ST FLR T-BAR COMPLETE	
10/30/2008 14	Frame/Steel/Bolting/Weldin	JM	NR	1ST FLR T-BAR	
10/28/2008 14	Frame/Steel/Bolting/Weldin	JM	AP	2ND FLR T-BAR COMPLETE 1ST FLR HALLWAYS	
10/24/2008 14	Frame/Steel/Bolting/Weldin	JM	PA	2ND FLR T-BAR	
10/16/2008 84	Rough Combo	JM	PA	1ST FLR GRID OK TO SET PERMITER NEED FIRE AP	
10/15/2008 84	Rough Combo	JM	PA	2ND FLR T-BAR PERIMETER AND INTERIOR OFFICES ONLY OK TO SET PERIMETER TILE	
09/23/2008 17	Interior Lath/Drywall	JM	AP	BATHROOMS & LOCKER ROOMS	
09/19/2008 14	Frame/Steel/Bolting/Weldin	JM	AP	WOOD STAIRS	
09/17/2008 17	Interior Lath/Drywall	JM	AP	1ST FLR HARD LIDS	
09/12/2008 14	Frame/Steel/Bolting/Weldin	JM	AP	1ST FLR HARD LIDS & STAIR FRAME	
09/12/2008 34	Rough Electric	JM	AP	HARD LIDS & 1ST & 2ND FLR BATHROOMS	
09/12/2008 44	Rough/Ducts/Dampers	JM	AP		
09/11/2008 34	Rough Electric	JM	CA	STEVE	
09/11/2008 44	Rough/Ducts/Dampers	JM	CA		
09/10/2008 34	Rough Electric	JM	CA	STEVEN	
09/10/2008 44	Rough/Ducts/Dampers	JM	CA		
09/08/2008 24	Rough/Topout	JM	AP	MENS & WOMENS 1ST & 2ND FLR	
09/08/2008 34	Rough Electric	JM	WC		
09/03/2008 14	Frame/Steel/Bolting/Weldin	JM	AP	ENTRY / LOBBY	
09/03/2008 17	Interior Lath/Drywall	JM	AP	2ND FLR SOFFITS	
09/02/2008 14	Frame/Steel/Bolting/Weldin	JM	CA		
09/02/2008 17	Interior Lath/Drywall	JM	CA	STEVE	
08/29/2008 14	Frame/Steel/Bolting/Weldin	JM	AP	2ND FLR SOFFITS	
08/29/2008 34	Rough Electric	JM	AP	2ND FLR SOFFITS	
08/27/2008 14	Frame/Steel/Bolting/Weldin	JM	NR		

08/27/2008	24	Rough/Topout	JM	AP	2ND FLR MENS & WOMENS LOCKER ROOM & KITCHEN
08/25/2008	17	Interior Lath/Drywall	JM	AP	1ST FLR OFFICES WALLS ONLY
08/21/2008	14	Frame/Steel/Bolting/Weldin	JM	CO	COMPLETE HVAC @ HARD LIDS
08/20/2008	14	Frame/Steel/Bolting/Weldin	JM	AP	1ST FLR WALLS OFFICES ONLY
08/20/2008	34	Rough Electric	JM	AP	1ST FLR WALLS OFFICES ONLY
08/14/2008	17	Interior Lath/Drywall	JM	AP	2ND FLR OFFICES WALLS ONLY
08/05/2008	14	Frame/Steel/Bolting/Weldin	JM	AP	2ND FLR WALLS ONLY
08/05/2008	31	Underground/Conduit-Wirin	JM	AP	1ST FLR FLOOR BOXES
08/05/2008	34	Rough Electric	JM	AP	2ND FLR WALLS
07/31/2008	11	Ftg/Foundation/Piers	TP	AP	2 STAIR LANDING FTGS
07/31/2008	12	Steel/Bond Beam	TP	AP	2 CLMN BASE FTGS
07/28/2008	14	Frame/Steel/Bolting/Weldin	PY	PA	
07/28/2008	21	Underground/Under Floor	PC	AP	1ST FLR
07/28/2008	24	Rough/Topout	PY	AP	
07/21/2008	11	Ftg/Foundation/Piers	JM	AP	(3) POST FTGS
07/18/2008	11	Ftg/Foundation/Piers	JM	CO	SAME
07/15/2008	11	Ftg/Foundation/Piers	JM	CO	INSTALL MAT PADS AND SET AB TEMPLATE
07/11/2008	14	Frame/Steel/Bolting/Weldin	JM	CO	plum undergr required



# City of Carlsbad Bldg Inspection Request

For 12/15/2008

Permit# **CB080879**

Inspector Assignment **JM**

Title **MC CONSULTANTS- 27,347 SF**

Description **OFFICE TO OFFICE**

Type **TI**

Sub Type **INDUST**

Phone **7605196801**

Job Address **2055 CORTE DEL NOGAL**

Suite Lot **0**

Location

Inspector \_\_\_\_\_

CONTRACTOR **MC3 CONSULTANTS, INC**

Owner **S D C CORTE L L C**

Remarks

Total Time \_\_\_\_\_

Requested By **SHAWN**

Entered By **CHRISTINE**

CD	Description	Act	Comments
19	Final Structural	FI	
29	Final Plumbing		
39	Final Electrical		
49	Final Mechanical		

## Comments/Notices/Holds

## Associated PCRs/CVs    **Original PC#**

PCR08076 ISSUED MC CONSULTANTS STRUCTURAL CHANGES ROOF HATCH RELOCATED  
 PCR08119 ISSUED MC CONSULTANTS REVISIONS  
 PCR08126 ISSUED MC CONSULTANTS ELECTRICAL REVISIONS

## Inspection History

Date	Description	Act	Insp	Comments
12/05/2008	89 Final Combo	CO	JM	NEED PLANNING OK TO OCCUPY BLDG
12/04/2008	89 Final Combo	CO	JM	NEED PLANNING/LIST
12/02/2008	89 Final Combo	CA	JM	SHAWN
12/01/2008	89 Final Combo	CO	JM	NEED ALL DEPARTMENTS
11/21/2008	19 Final Structural	NR	JM	
11/21/2008	39 Final Electrical	CO	JM	
11/21/2008	39 Final Electrical	NR	JM	
11/20/2008	31 Underground/Conduit Wiring	AP	JM	LIGHT POLES
11/13/2008	11 Ftg/Foundation/Piers	AP	JM	LIGHT POLE FTGS
11/13/2008	31 Underground/Conduit-Wiring	PA	JM	
11/10/2008	34 Rough Electric	CO	JM	



# City of Carlsbad Bldg Inspection Request

For 12/05/2008

Permit# **CB080879**

Inspector Assignment **JM**

Title **MC CONSULTANTS- 27,347 SF**

Description **OFFICE TO OFFICE**

Type **TI**

Sub Type **INDUST**

Phone **7605196801**

Job Address **2055 CORTE DEL NOGAL**

Suite Lot **0**

Location

Inspector \_\_\_\_\_

CONTRACTOR **MC3 CONSULTANTS, INC**

Owner **FILSINGER STEVE C**

Remarks

Total Time \_\_\_\_\_

Requested By **SHAWN**

Entered By **CHRISTINE**

CD	Description	Act	Comments
19	Final Structural	CO	Need planning ok to
29	Final Plumbing		
39	Final Electrical		occupy bldg.
49	Final Mechanical		

Comments/Notices/Holds

## Associated PCRs/CVs Original PC#

PCR08076 ✓ ISSUED MC CONSULTANTS STRUCTURAL CHANGES ROOF HATCH RELOCATED  
 PCR08119 ✓ ISSUED MC CONSULTANTS REVISIONS  
 PCR08126 ✓ ISSUED MC CONSULTANTS ELECTRICAL REVISIONS

## Inspection History

Date	Description	Act	Insp	Comments
12/04/2008	89 Final Combo	CO	JM	NEED PLANNING/LIST
12/02/2008	89 Final Combo	CA	JM	SHAWN
12/01/2008	89 Final Combo	CO	JM	NEED ALL DEPARTMENTS
11/21/2008	19 Final Structural	NR	JM	
11/21/2008	39 Final Electrical	CO	JM	
11/21/2008	39 Final Electrical	NR	JM	
11/20/2008	31 Underground/Conduit-Wiring	AP	JM	LIGHT POLES
11/13/2008	11 Ftg/Foundation/Piers	AP	JM	LIGHT POLE FTGS
11/13/2008	31 Underground/Conduit Wiring	PA	JM	
11/10/2008	34 Rough Electric	CO	JM	
10/31/2008	14 Frame/Steel/Bolting/Welding	AP	JM	1ST FLR T BAR COMPLETE





# City of Carlsbad Bldg Inspection Request

For 09/08/2008

Permit# **CB080879**

Inspector Assignment **JM**

Title **MC CONSULTANTS- 27,347 SF**

Description **OFFICE TO OFFICE**

Type **TI**

Sub Type **INDUST**

Phone **7605196801**

Job Address **2055 CORTE DEL NOGAL**

Suite Lot **0**

Location

Inspector \_\_\_\_\_

OWNER **S D C CORTE L L C**

Owner **FILSINGER STEVE C**

Remarks **1 p m or so please**

Total Time \_\_\_\_\_

Requested By **STEVE**

Entered By **KATHY**

CD	Description	Act	Comments
24	Rough/Topout	AP	means of Womens 1st & 2nd flr.
34	Rough Electric	EC	

## Comments/Notices/Holds

## Associated PCRs/CVs      **Original PC#**

PCR08076 ISSUED MC CONSULTANTS STRUCTURAL CHANGES ROOF HATCH RELOCATED

## Inspection History

Date	Description	Act	Insp	Comments
09/03/2008	14 Frame/Steel/Bolting/Welding	AP	JM	ENTRY / LOBBY
09/03/2008	17 Interior Lath/Drywall	AP	JM	2ND FLR SOFFITS
09/02/2008	14 Frame/Steel/Bolting/Welding	CA	JM	
09/02/2008	17 Interior Lath/Drywall	CA	JM	STEVE
08/29/2008	14 Frame/Steel/Bolting/Welding	AP	JM	2ND FLR SOFFITS
08/29/2008	34 Rough Electric	AP	JM	
08/27/2008	14 Frame/Steel/Bolting/Welding	NR	JM	
08/27/2008	24 Rough/Topout	AP	JM	2ND FLR MENS & WOMENS LOCKER ROOM & KITCHEN
08/25/2008	17 Interior Lath/Drywall	AP	JM	1ST FLR OFFICES WALLS ONLY
08/21/2008	14 Frame/Steel/Bolting/Welding	CO	JM	COMPLETE HVAC @ HARD LIDS
08/20/2008	14 Frame/Steel/Bolting/Welding	AP	JM	1ST FLR WALLS OFFICES ONLY
08/20/2008	34 Rough Electric	AP	JM	
08/14/2008	17 Interior Lath/Drywall	AP	JM	2ND FLR OFFICES WALLS ONLY
08/05/2008	14 Frame/Steel/Bolting/Welding	AP	JM	2ND FLR WALLS ONLY
08/05/2008	31 Underground/Conduit Wiring	AP	JM	1ST FLR FLOOR BOXES
08/05/2008	34 Rough Electric	AP	JM	2ND FLR WALLS
07/31/2008	11 Ftg/Foundation/Piers	AP	TP	2 STAIR LANDING FTGS

**THE CITY OF SAN DIEGO**

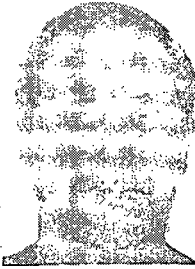
DEVELOPMENT SERVICES DEPARTMENT  
DIVISION OF BUILDING & SAFETY  
INSPECTION SERVICES  
Tel: (619) 442-5071 Fax: (619) 442-5078  
**SPECIAL INSPECTOR ID CARD**

Name **ROGER EHLERS**

License No. **989**

Expiration **December 31 2010**

SEE REVERSE SIDE FOR TYPE(S) OF WORK AUTHORIZED FOR SPECIAL INSPECTION



**ROGER EHLERS**

**STRUCTURAL STEEL & BOLTING SPECIAL INSPECTOR**  
The individual named hereon is CERTIFIED in the category shown having been so certified pursuant to successful completion of the prescribed written examination  
Expiration date **November 2 2010**  
No **5315980-S1**

Not valid unless signed by certificate holder  
ICC certification attests to competent knowledge of codes and standards



**American Welding Society**

Certified  
WELDING INSPECTOR  
**Roger R Ehlers**

Has complied with the requirements of AWS QC1  
Standard for AWS Certification of Welding Inspectors

with ☒ vision ☐ color blind

*Blue Gibson*  
*For Wilson*  
AWS Certified



**05101131**

**October 1 2011**

Expiration Date



**American Welding Society**

Certified  
WELDING INSPECTOR

**Roger R Ehlers**

Has complied with the requirements of Section 6.1 of the AWS Standard for  
Qualification of Welding Inspectors (Q1.1)

with ☒ vision ☐ color blind

*Damian Kotecha*  
AWS Certified



**05101131**

**October 2008**

Expiration Date



**ROGER EHLERS**  
**STRUCTURAL WELDING SPECIAL INSPECTOR**

The individual named hereon is CERTIFIED in the category shown having been so certified pursuant to successful completion of the prescribed written examination

Expiration date **November 29 2010**

No **5315980 S2**

*[Signature]*

Not valid unless signed by certificate holder

ICC certification attests to competent knowledge of codes and standards

*CB 08 0879*

*2055 Corte Del Nogal*

## Project Clarifications and Substitutions

### Clarification 2

August 15, 2008

Project MC2 Consultants TI, 2055 Corte Del Nogal, Carlsbad  
Contractor MC3 Consultants

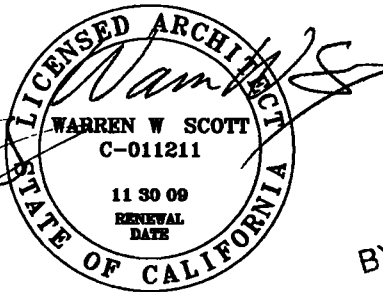
#### Clarifications and Substitutions to plans:

The following clarifications and modifications shall be noted to the construction documents

- 1 The following partial framing plan, detail sketch and calculation are provided to indicate the cutting of the top cord of an existing floor truss to accommodate the installation of a toilet flange where required. The extent of the cut in the top cord shall be limited to a max of 4-1/2". Plywood shall be placed each side of truss and shall extend two bays of the truss framing in the location of the notch. In addition, a 6' long x 1-3/4" x 5-1/2" LVL shall be applied to one side of the truss, centered on notch with attachment as per detail

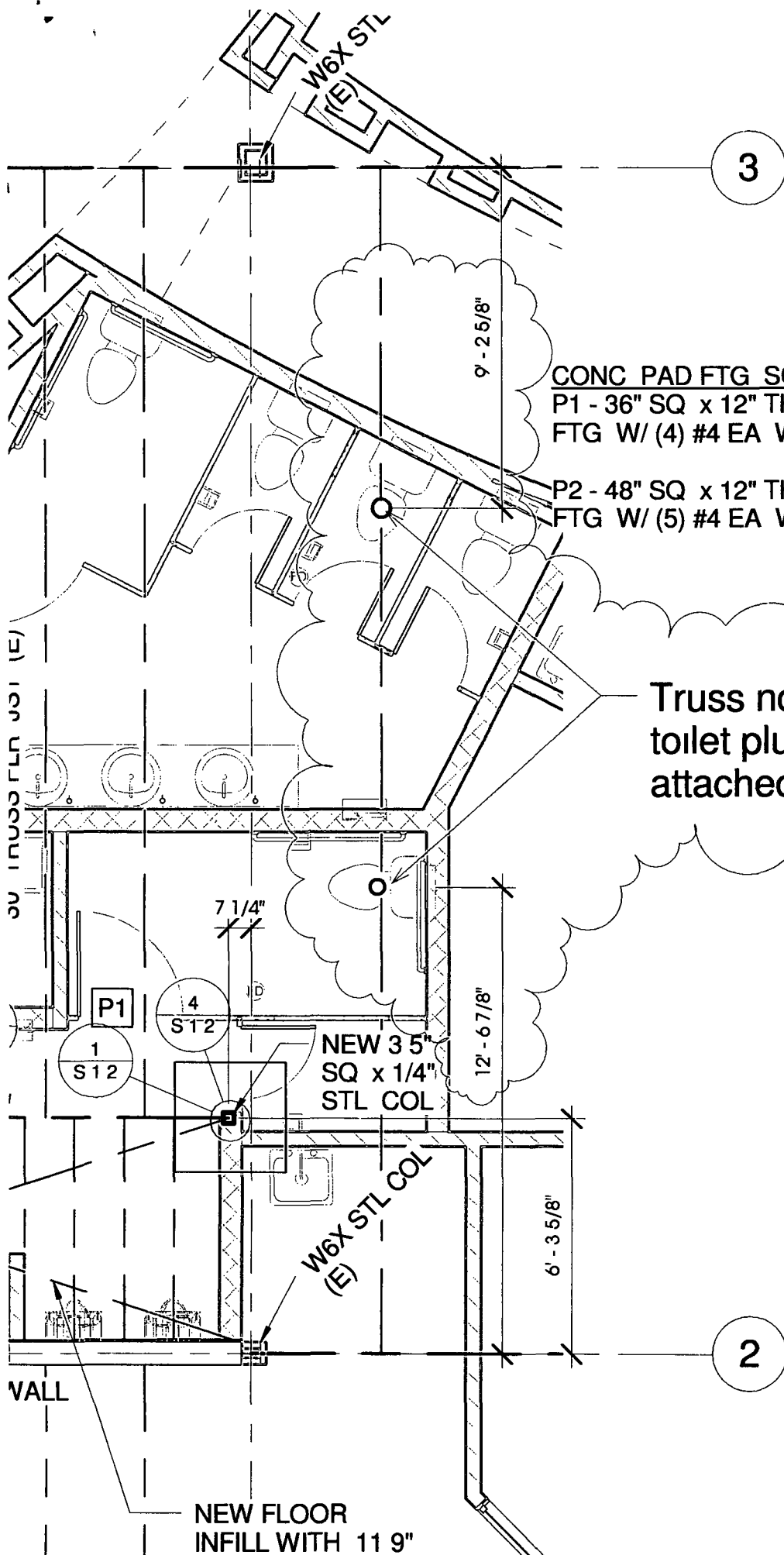
Warren W Scott, Architecture

Warren W Scott  
C11211

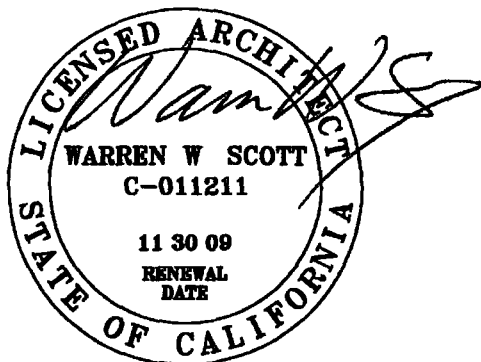
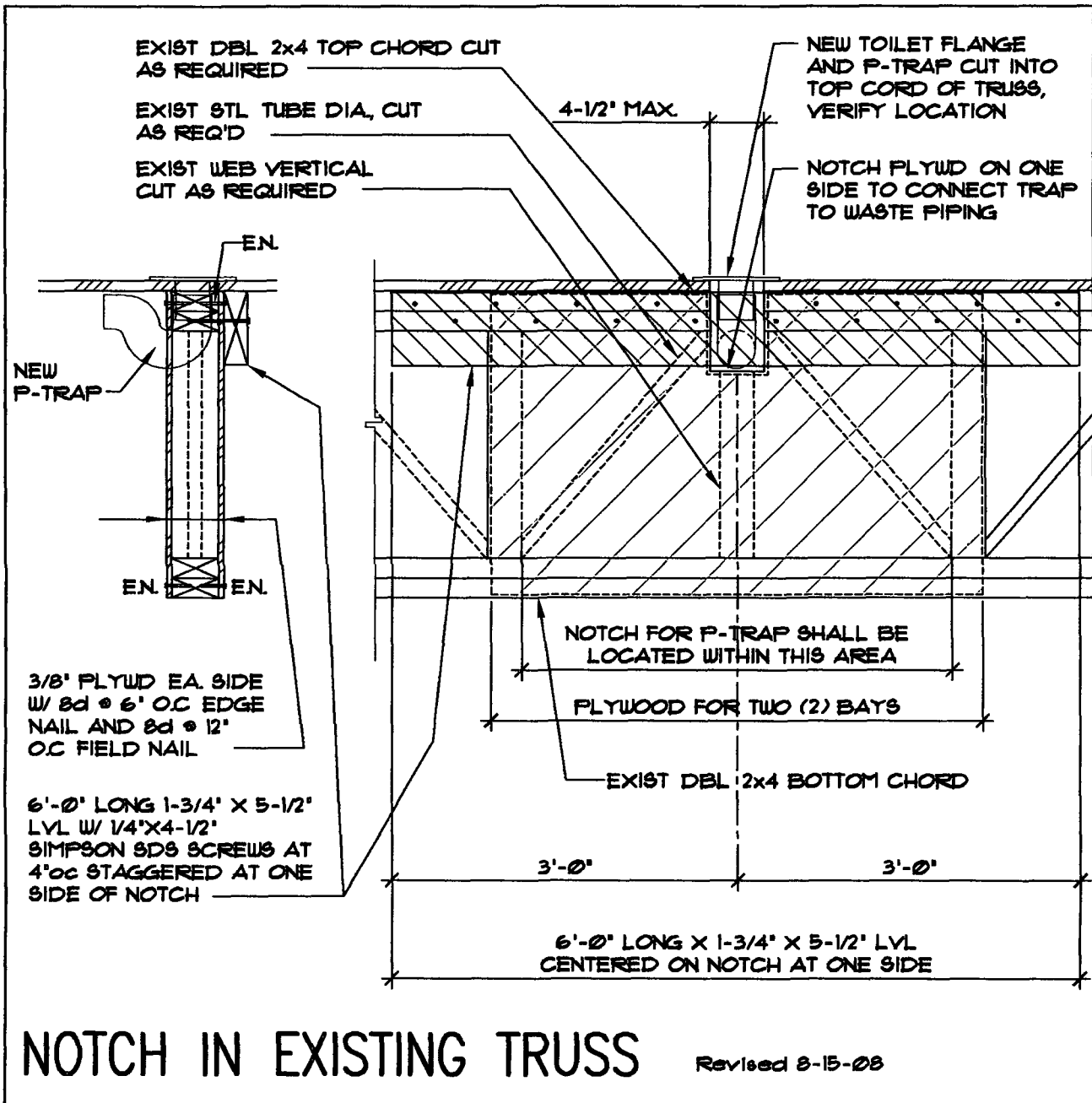


APPROVED  
BY WWS  
AUG 19 2008  
City of CARLSBAD  
BUILDING DEPT

OWNER



Notch Existing Floor Truss





Palos Verdes Engineering Corporation  
Consulting Structural Engineers

6027-1 Paseo Delicias • P O Box 2211 • Rancho Santa Fe CA 92067  
Telephone (858) 759-2434 • Fax (858) 759-8324

JOB 24-6-261

SHEET NO 1 OF 1

CALCULATED BY PL DATE 3/14/08

CHECKED BY DATE

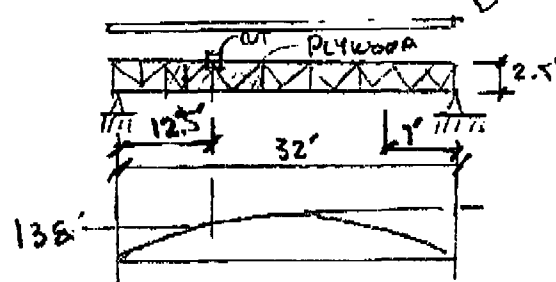
SCALE

PROJECT

MC<sup>2</sup> CONSULTANT  
2055 CORTE DEL NOGAL  
CARLSBAD, CA

RE: TRUSS CUT @ DOOR

TENSION LOAD @ CUT LOCATION



$$W = 80 \text{ PSF} \times (32/12) \text{ ft} = 213 \text{ PLF}$$

$$M_{\text{CUT}} = 24.62 \text{ k}$$

$$T = C = M/d = \frac{24.6 \text{ k}}{2.5} = 9.8 \text{ k}$$

PROVIDE 3/8" PLATE PA SIDE OF  
TRUSS @ NOTCH IN DOOR  
TO RESIST LOAD @ LVL @ SPLICE

$$\leftarrow \frac{1}{2} \text{ PL } \rightarrow T = 9.8 \text{ k}$$

∴ USE 1 3/4" x 5 1/2" LVL

$$A_{\text{REQ}} = \frac{9.8 \text{ k}}{2.3 \text{ ksi}} = 4.3 \text{ in}^2$$

USE 1 3/4" x 5 1/2" LVL ( $A_{\text{NOV}} = 9.6 \text{ in}^2 > 4.3$ )

USE SIMPSON SDS SCREWS (1/4" x 4 1/2")

$$J_{\text{AL}} = 340 \times 1.25 = 425 \text{ PLF}$$

$$\# \text{ SCREWS } = \frac{9.8 \text{ k}}{2.0 \times 425} = 12 \text{ SCREWS}$$

USE SDS @ 4" C (6 SCREWS)





7575 METROPOLITAN DRIVE SUITE 203  
SAN DIEGO CA 92108

RETURN SERVICE REQUESTED

T-410 P 001/001 F-618  
STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH

**PERMIT TO OPERATE A CONVEYANCE**
**CONVEYANCE PERMIT**

\*\*\*\*\*AUTO\*\*3 DIGIT 921 40 74  
MADISON SQUARE PROP MGMT  
ATTN LISA BOSSLICK PROP MGR  
5414 OBERLIN DR STE 140  
SAN DIEGO, CA 92121-4744



<b>Conveyance Number</b>	142669	<b>Permit Expires</b>	08/04/2009
<b>Inspection Date</b>	08/04/2008	<b>Location</b>	2055 CORTE DEL NOGAL CARLSBAD CA 92009
<b>Issue Date</b>	11/25/2008	<b>Owners ID</b>	PASS 1

California law requires that all conveyances shall have a valid permit posted conspicuously on the conveyance (Labor Code Sections 7300-7324) Please detach your new permit at the dotted line and post on the conveyance Retain this portion for your records

**STATE OF CALIFORNIA**  
**Department of Industrial Relations**  
**Division of Occupational Safety & Health**

<b>INSPECTION</b>	142669 Conveyance Number	08/04/2008 Date of Inspection	08/04/2009 Date Permit Expires
<b>LOCATION</b>	2055 CORTE DEL NOGAL Street Address		CARLSBAD City or Town
<b>LOAD PERMISSIBLE</b>	002500 Pounds	016 Persons	H3636 Inspector
<b>DESCRIPTION</b>	PASSENGER Type of Conveyance	PASS 1 Owner's Id	HYDROELECTRIC Type of Machine



**THIS PERMIT SHALL BE POSTED ON THE CONVEYANCE**

# EsGil Corporation

*In Partnership with Government for Building Safety*

DATE **June 30, 2008**

JURISDICTION **Carlsbad**

PLAN CHECK NO **080879**

SET **III**

PROJECT ADDRESS **2055 Corte Del Nogal**

PROJECT NAME **Office T I for MC Consultants, Inc**

☐ APPLICANT  
☒ JURIS  
☐ PLAN REVIEWER  
☐ FILE

- ☒ The plans transmitted herewith have been corrected where necessary and substantially comply with the jurisdiction's building codes
- ☐ The plans transmitted herewith will substantially comply with the jurisdiction's building codes when minor deficiencies identified below are resolved and checked by building department staff
- ☐ The plans transmitted herewith have significant deficiencies identified on the enclosed check list and should be corrected and resubmitted for a complete recheck
- ☐ The check list transmitted herewith is for your information The plans are being held at Esgil Corporation until corrected plans are submitted for recheck
- ☐ The applicant's copy of the check list is enclosed for the jurisdiction to forward to the applicant contact person
- ☐ The applicant's copy of the check list has been sent to

☒ Esgil Corporation staff **did not** advise the applicant that the plan check has been completed

☐ Esgil Corporation staff **did** advise the applicant that the plan check has been completed

Person contacted

Telephone #

Date contacted

(by )

Fax #

Mail

Telephone

Fax

In Person

☐ REMARKS

By **Abe Doliente**

Enclosures

Esgil Corporation

☐ GA ☐ MB ☐ EJ ☐ PC

6/27/08



# EsGil Corporation

*In Partnership with Government for Building Safety*

DATE **June 19, 2008**

JURISDICTION **Carlsbad**

PLAN CHECK NO **080879**

SET **II**

PROJECT ADDRESS **2055 Corte Del Nogal**

PROJECT NAME **Office T I for MC Consultants, Inc**

- ☐ APPLICANT
- ☒ JURIS
- ☐ PLAN REVIEWER
- ☐ FILE

- ☐ The plans transmitted herewith have been corrected where necessary and substantially comply with the jurisdiction's building codes
- ☐ The plans transmitted herewith will substantially comply with the jurisdiction's building codes when minor deficiencies identified below are resolved and checked by building department staff
- ☐ The plans transmitted herewith have significant deficiencies identified on the enclosed check list and should be corrected and resubmitted for a complete recheck
- ☒ The check list transmitted herewith is for your information The plans are being held at Esgil Corporation until corrected plans are submitted for recheck
- ☐ The applicant's copy of the check list is enclosed for the jurisdiction to forward to the applicant contact person
- ☒ The applicant's copy of the check list has been sent to  
Warren W Scott  
987 Hermes Ave , Encinitas, CA 92024
- ☐ Esgil Corporation staff **did not** advise the applicant that the plan check has been completed
- ☒ Esgil Corporation staff **did** advise the applicant that the plan check has been completed  
Person contacted Warren W Scott Telephone # 760/943-8180  
Date contacted 6/19/08 by *ASB* Fax # - 0119  
Mail ☒ Telephone Fax ☒ In Person
- ☐ REMARKS

By **Abe Doliente**

Esgil Corporation

☒ GA ☐ MB ☐ EJ ☐ PC

Enclosures

6/11/08

**Carlsbad 080879**  
**June 19, 2008**

**RECHECK CORRECTION LIST**

JURISDICTION <b>Carlsbad</b>	PLAN CHECK NO <b>080879</b>
PROJECT ADDRESS <b>2055 Corte Del Nogal</b>	SET <b>II</b>
DATE PLAN RECEIVED BY ESGIL CORPORATION 6/11/08	DATE RECHECK COMPLETED <b>June 19, 2008</b>
REVIEWED BY <b>Abe Doliente</b>	

**FOREWORD (PLEASE READ)**

This plan review is limited to the technical requirements contained in the Building Code, Plumbing Code, Mechanical Code, Electrical Code and state laws regulating energy conservation, noise attenuation and disabled access. This plan review is based on regulations enforced by the Building Department. You may have other corrections based on laws and ordinances enforced by the Planning Department, Engineering Department or other departments.

The following items listed need clarification, modification or change. All items must be satisfied before the plans will be in conformance with the cited codes and regulations. The approval of the plans does not permit the violation of any state, county or city law.

- A Please make all corrections on the original tracings and submit three new *complete* sets of prints to Esgil Corp or to the bldg dept of the juris
- B **To facilitate rechecking, please identify, next to each item, the sheet of the plans upon which each correction on this sheet has been made and return this sheet with the revised plans**
- C The following items have not been resolved from the previous plan reviews. The original correction number has been given for your reference. In case you did not keep a copy of the prior correction list, we have enclosed those pages containing the outstanding corrections. Please contact me if you have any questions regarding these items.
- D Please indicate here if any changes have been made to the plans that are not a result of corrections from this list. If there are other changes, please briefly describe them and where they are located on the plans. Have changes been made not resulting from this list?

☐Yes

☐No

## **Carlsbad 080879**

**June 19, 2008**

Please make all corrections, as requested in the correction list. Submit three new complete sets of plans for commercial/industrial projects. For expeditious processing, corrected sets can be submitted in one of two ways:

1. Deliver all corrected sets of plans and calculations/reports directly to the City of Carlsbad Building Department, 1635 Faraday Ave., Carlsbad, CA 92008, (760) 602-2700. The City will route the plans to EsGil Corporation and the Carlsbad Planning, Engineering and Fire Departments.

2. Bring one corrected set of plans and calculations/reports to EsGil Corporation, 9320 Chesapeake Drive, Suite 208, San Diego, CA 92123, (858) 560-1468. Deliver all remaining sets of plans and calculations/reports directly to the City of Carlsbad Building Department for routing to their Planning, Engineering and Fire Departments.

**NOTE:** Plans that are submitted directly to EsGil Corporation only will not be reviewed by the City Planning, Engineering and Fire Departments until review by EsGil Corporation is complete.

1. Plans and calculations shall be signed by the California state licensed engineer or architect where there are structural changes to existing buildings or structural additions. Please include the California license number, seal, date of license expiration and date plans are signed. California Business and Professions Code.

## **PLUMBING AND MECHANICAL CORRECTIONS**

**PLAN REVIEWER:** Glen Adamek

### **GENERAL AND ARCHITECTURAL PME ITEMS**

1. **The final set of corrected drawings to be reviewed for signing and sealing just before the permits are to be issued.** Each sheet of the plans must be signed by the person responsible for their preparation, even though there are no structural changes, before the permits are issued. Business and Professions Code.
2. **The response by Warren W. Scott, the Architect "See Attached" and the response by DEC Engineers "See Architectural responses for 1 through 4 comments." No response provided.** Correct the new Storage Rooms over 100 square foot in area to show the required separation. As per IBC, table 508.2 the incidental use areas for storage rooms over 100 sq. ft. of floor area, shall be separated from the remainder of the building by a fire barrier or if provided with an automatic fire extinguishing system the separation must comply with IBC, Section 508.2.2 "the incidental use area shall be separated from the remainder of the building by construction capable of resisting the passage of smoke. The partitions shall extend from the floor to the underside of the fire-resistance-rated floor/ceiling assembly or fire-resistance-rated roof/ceiling assembly above or to the underside of the floor or roof sheathing, or sub deck above. Doors shall be self- or automatic closing upon detection of smoke in accordance with Section 715.4.7.3. Doors shall not have air transfer openings and shall not be undercut in excess of the clearance permitted in accordance with NFPA 80."

**Carlsbad 080879**

**June 19, 2008**

- 3     **The response by Warren W Scott, the Architect “See Attached” and the response by DEC Engineers “See Architectural responses for 1 through 4 comments ” No response provided** Include, on the mechanical plans, the locations of all required smoke, fire, combination smoke and fire, or ceiling radiation dampers Be sure to include a symbol on the symbol schedule for each damper type IBC 716
- 4     **The response by Warren W Scott, the Architect “See Attached” and the response by DEC Engineers “See Architectural responses for 1 through 4 comments ” No response provided** Please correct the drawings to show the required “Guards” (guard rails) as per IBC, Section 1013.5 “Where appliances, equipment, fans, roof hatch openings or other components that require service are located within 10 feet of a roof edge or open side of a walking surface ”

#### **PLUMBING (2006 UNIFORM PLUMBING CODE)**

- 6     **The sheet P1 0 does not show the main water line from the water meter to the building And sheet P2 1 still shows an existing 1½ inch water main serving this building Please correct** The existing 1½ inch water main serving this building, as shown on sheet P2 1, seems to be undersized for the total building water demand as per the water line sizing calculations on sheet P0 2 Please correct the water line sizing from the public water meter to the new fixtures
- 9     **Please provide cut-sheets and installation instructions for the proposed Thermostatic Mixing Valve, including instructions for installing on a hot water recirculation system Without special controls the hot water pump can force the water temperature above the set temperature limit Please address** Hot water supplied to a public use lavatory or any bathtub is limited to a maximum temperature potential of 120 degrees Detail how this temperature limitation is achieved Note The water heater thermostat may not be used for compliance with this Code section UPC 413.1 & UPC 414
- 10    **The response by Warren W Scott, the Architect “See Attached” and the response by DEC Engineers “See Architectural responses for 1 through 4 comments ” No response provided** Floors shall slope to the floor drain(s) location(s) Please detail on the architectural floor plans UPC 411.4

#### **MECHANICAL (2006 UNIFORM MECHANICAL CODE)**

- 16    **The plans show new exhaust fan from the elevator equipment room, with no make-up air Also, the elevator equipment room must be one hour fire rated separated from the rest of the building Detail make-up air and required smoke and fire dampers** Provide the exhaust and make-up air design for the occupancy type listed in Table 4.4 UMC 403.7

**Note** If you have any questions regarding this Plumbing and Mechanical plan review list please contact Glen Adamek at (858) 560-1468 To speed the review process, note on this list (or a copy) where the corrected items have been addressed on the plans

# **Esgil Corporation**

*In Partnership with Government for Building Safety*

DATE **May 23, 2008**

JURISDICTION **Carlsbad**

PLAN CHECK NO **080879**

SET **I**

PROJECT ADDRESS **2055 Corte Del Nogal**

PROJECT NAME **Office T. I for MC Consultants, Inc**

- ☐ APPLICANT
- ☒ JURIS
- ☐ PLAN REVIEWER
- ☐ FILE

- ☐ The plans transmitted herewith have been corrected where necessary and substantially comply with the jurisdiction's building codes
- ☐ The plans transmitted herewith will substantially comply with the jurisdiction's building codes when minor deficiencies identified below are resolved and checked by building department staff
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Warren W Scott  
987 Hermes Ave , Encinitas, CA 92024
- ☐ Esgil Corporation staff **did not** advise the applicant that the plan check has been completed
- ☒ Esgil Corporation staff **did** advise the applicant that the plan check has been completed  
Person contacted Warren W Scott Telephone # 760/943-8180  
Date contacted 5/23/08 (by ✓ ) Fax # - 0119  
Mail / Telephone Fax ✓ In Person
- ☐ REMARKS

By **Abe Doliente**

Esgil Corporation

☒ GA ☒ MB ☐ EJ ☐ PC

Enclosures

5/15/08

**Carlsbad 080879**  
**May 23, 2008**

**PLAN REVIEW CORRECTION LIST**  
**TENANT IMPROVEMENTS**

PLAN CHECK NO	<b>080879</b>	JURISDICTION	<b>Carlsbad</b>
OCCUPANCY	B	USE	Offices
TYPE OF CONSTRUCTION	V-B	ACTUAL AREA	27,347 SF
ALLOWABLE FLOOR AREA	exist'g	STORIES	2
		HEIGHT	
SPRINKLERS?	Yes	OCCUPANT LOAD	273
REMARKS			
DATE PLANS RECEIVED BY JURISDICTION	DATE PLANS RECEIVED BY ESGIL CORPORATION 5/15/08		
DATE INITIAL PLAN REVIEW COMPLETED	PLAN REVIEWER <b>Abe Doliente</b> <b>May 23, 2008</b>		

**FOREWORD (PLEASE READ)**

This plan review is limited to the technical requirements contained in the International Building Code, Uniform Plumbing Code, Uniform Mechanical Code, National Electrical Code and state laws regulating energy conservation, noise attenuation and access for the disabled. This plan review is based on regulations enforced by the Building Department. You may have other corrections based on laws and ordinances enforced by the Planning Department, Engineering Department, Fire Department or other departments. Clearance from those departments may be required prior to the issuance of a building permit.

Code sections cited are based on the 2007 CBC, which adopts the 2006 IBC.

The following items listed need clarification, modification or change. All items must be satisfied before the plans will be in conformance with the cited codes and regulations. Per Sec 105.4 of the 2006 International Building Code, the approval of the plans does not permit the violation of any state, county or city law.

To speed up the recheck process, please note on this list (or a copy) where each correction item has been addressed, i.e., plan sheet number, specification section, etc. Be sure to enclose the marked up list when you submit the revised plans.

## **Carlsbad 080879**

**May 23, 2008**

Please make all corrections, as requested in the correction list. Submit three new complete sets of plans for commercial/industrial projects. For expeditious processing, corrected sets can be submitted in one of two ways:

1. Deliver all corrected sets of plans and calculations/reports directly to the City of Carlsbad Building Department, 1635 Faraday Ave., Carlsbad, CA 92008, (760) 602-2700. The City will route the plans to EsGil Corporation and the Carlsbad Planning, Engineering and Fire Departments.

2. Bring one corrected set of plans and calculations/reports to EsGil Corporation, 9320 Chesapeake Drive, Suite 208, San Diego, CA 92123, (858) 560-1468. Deliver all remaining sets of plans and calculations/reports directly to the City of Carlsbad Building Department for routing to their Planning, Engineering and Fire Departments.

**NOTE:** Plans that are submitted directly to EsGil Corporation only will not be reviewed by the City Planning, Engineering and Fire Departments until review by EsGil Corporation is complete.

### **• PLANS**

1. Plans and calculations shall be signed by the California state licensed engineer or architect where there are structural changes to existing buildings or structural additions. Please include the California license number, seal, date of license expiration and date plans are signed. California Business and Professions Code.
2. Provide a Building Code Data Legend on the Title Sheet. Include the following code information for each building proposed:
  - ◆ **Occupancy Classification(s)** B
  - ◆ **For Mixed Occupancy Buildings**, state whether the "nonseparated" or "separated" option was chosen from Section 508.3
  - ◆ **Description of Use** Offices
  - ◆ **Type of Construction** V-B
  - ◆ **Sprinklers** Yes
  - ◆ **Stories** 2
  - ◆ **Height**
  - ◆ **Floor Area** 27,347 SF
  - ◆ **Occupant Load** 273

### **• EXIT SIGNS**

3. Exit signs are required whenever two exits are required. Show all required exit sign locations. Section 1011.1
4. A tactile sign stating "EXIT" and complying with ICC A117.1 shall be provided adjacent to each door to an egress stairway, an exit passageway and the exit discharge. Section 1011.3

**Carlsbad 080879**

**May 23, 2008**

- 5 Show two sources of power for the lamps at exit signs Section 1011 5 3
- 6 Show that the means of egress path will be lighted with at least one foot candle at floor level Section 1006
- 7 Show separate sources of power *may* be required for exit illumination Review Section 1006 3

**• ACCESSIBILITY**

- 8 Compliance with the disabled access requirements are either shown on noted on the plans These will have to be field verified

**• ADDITIONAL**

- 9 Recheck the call-outs and cross referencing of the details Refer to sheets A3 4, A4 2 and S2 2 of the plans
- 10 Please see the following corrections for electrical, energy, plumbing and mechanical
- 11 To speed up the review process, note on this list (or a copy) where each correction item has been addressed, i e , plan sheet, note or detail number, calculation page, etc
- 12 Please indicate here if any changes have been made to the plans that are not a result of corrections from this list If there are other changes, please briefly describe them and where they are located in the plans

**Have changes been made to the plans not resulting from this correction list?** Please indicate

☐ Yes ☐ No

- 13 The jurisdiction has contracted with Esgil Corporation located at 9320 Chesapeake Drive, Suite 208, San Diego, California 92123, telephone number of 858/560-1468, to perform the plan review for your project If you have any questions regarding these plan review items, please contact **Abe Doliente** at Esgil Corporation Thank you



♦ **ELECTRICAL & ENERGY PLAN REVIEW**  
♦ **2005 NEC**

♦ **PLAN REVIEWER Morteza Beheshti**

- 1 All electrical sheets of the plans are required to be signed by the California licensed engineer responsible for the plan preparation. Please include the California license number, seal, date of license expiration and the date the plans are signed. Business and Professions Code (final set)
- 2 Show on the plan the location of the service(s). NEC 110.26, 230.2
- 3 Some areas such as the training room on the second floor do not have emergency illumination at the floor level. Please specify a second source of power for the emergency lights. IBC 1006, NEC 700.16
- 4 If utilizing a series-rated system, note on plans "Overcurrent device enclosures will be identified as series-rated and labeled in accordance with NEC 110-22" and "The overcurrent devices shall be AIC rated per manufacturers' labeling of the electrical equipment"

• **ENERGY CONSERVATION**

- 5 The imprinted LTG-1-C, and MECH-1-C forms must be signed on the plans

**Note:** If you have any questions regarding this **Electrical or Energy** plan review list, please contact **Morteza Beheshti** at **(858) 560-1468**. To speed the review process, note on this list (or a copy) where the corrected items have been addressed on the plans.

**PLUMBING AND MECHANICAL CORRECTIONS**

**PLAN REVIEWER Glen Adamek**

**GENERAL AND ARCHITECTURAL PME ITEMS**

- 1 Each sheet of the plans must be signed by the person responsible for their preparation, even though there are no structural changes, before the permits are issued. Business and Professions Code. The final set of corrected drawings to be reviewed for signing and sealing just before the permits are to be issued.
- 2 Correct the new Storage Rooms over 100 square foot in area to show the required separation. As per IBC, table 508.2, the incidental use areas for storage rooms over 100 sq. ft. of floor area, shall be separated from the remainder of the building by a fire barrier or if provided with an automatic fire extinguishing system, the separation must comply with IBC, Section 508.2.2 "the incidental use area".

**May 23, 2008**

shall be separated from the remainder of the building by construction capable of resisting the passage of smoke. The partitions shall extend from the floor to the underside of the fire-resistance-rated floor/ceiling assembly or fire-resistance-rated roof/ceiling assembly above or to the underside of the floor or roof sheathing, or sub deck above. Doors shall be self- or automatic closing upon detection of smoke in accordance with Section 715.4.7.3. Doors shall not have air transfer openings and shall not be undercut in excess of the clearance permitted in accordance with NFPA 80."

- 3 Include, on the mechanical plans, the locations of all required smoke, fire, combination smoke and fire, or ceiling radiation dampers. Be sure to include a symbol on the symbol schedule for each damper type. IBC 716
- 4 Please correct the drawings to show the required "Guards" (guard rails) as per IBC, Section 1013.5 "Where appliances, equipment, fans, roof hatch openings or other components that require service are located within 10 feet of a roof edge or open side of a walking surface."

### **PLUMBING (2006 UNIFORM PLUMBING CODE)**

- 5 Show the public water meter location and size on the plumbing site plan
- 6 The existing 1½ inch water main serving this building seems to be under sized for the total building water demand as per the water line sizing calculations on sheet P0 2. Please correct the water line sizing from the public water meter to the new fixtures
- 7 Please show the upstream sewer manhole rim and finished floor elevations. Provide backwater valves for all fixtures installed on floor levels below the next upstream manhole rim elevation. (Only fixtures installed on floor levels below the next upstream manhole rim elevation may flow through a backwater valve.) UPC 710.1
- 8 Show 1/4 inch per 12 inch slope on drain and waste lines. UPC Section 708.0
- 9 Hot water supplied to a public use lavatory or any bathtub is limited to a maximum temperature potential of 120 degrees. Detail how this temperature limitation is achieved. Note: The water heater thermostat may not be used for compliance with this Code section. UPC 413.1 & UPC 414
- 10 Floors shall slope to the floor drain(s) location(s). Please detail on the architectural floor plans. UPC 411.4
- 11 Provide the following information concerning the water heater
  - a) Show water heater size, type and location on plans. UPC 501.0
  - b) Show that water heater is adequately braced to resist seismic forces. Provide two straps. One strap at top 1/3 of the tank and one strap at bottom 1/3 of the tank. UPC 508.2

**Carlsbad 080879**

**May 23, 2008**

- c) Show P & T valve on water heater and detail the drain routing to the exterior. It may not be installed upwards from the valve. UPC 506.2/608.3
- d) An expansion tank or other approved device is required if system pressure relief is not available due to the installation of backflow devices or certain pressure regulators. Please address. UPC 608.3

**MECHANICAL (2006 UNIFORM MECHANICAL CODE)**

- 12 Show the size, location, and types of all heating and cooling appliances or systems
- 13 The mechanical plans seem to be incomplete and incorrect. The ducting through the roof and through the floor systems do not seem to match at each floor level and the roof and the exhaust systems seem to be incomplete
- 14 Buildings of more than 15' in height shall have an inside means of access that meets the design requirements of UMC 904.10.3.3. Please provide. City approval for use of an outside ladder is required
- 15 Detail the primary and secondary mechanical condensate waste design. Pipe sizing, routing, and termination areas. UMC 310.0 & UPC 807.2
- 16 Provide the exhaust and make-up air design for the occupancy type listed in Table 4.4. UMC 403.7
- 17 Provide the independent ventilation or the air conditioning system required for the elevator equipment room to prevent the overheating of the electrical equipment. IBC 3006.2

**Note** If you have any questions regarding this Plumbing and Mechanical plan review list please contact Glen Adamek at (858) 560-1468. To speed the review process, note on this list (or a copy) where the corrected items have been addressed on the plans.

**Carlsbad 080879**  
**May 23, 2008**

**VALUATION AND PLAN CHECK FEE**

JURISDICTION **Carlsbad**

PLAN CHECK NO **080879**

PREPARED BY **Abe Doliente**

DATE **May 23, 2008**

BUILDING ADDRESS **2055 Corte Del Nogal**

BUILDING OCCUPANCY **B**

TYPE OF CONSTRUCTION **V-B**

BUILDING PORTION	AREA ( Sq Ft )	Valuation Multiplier	Reg Mod	VALUE (\$)
Office T I,	27347	34 37		939,916
Air Conditioning				
Fire Sprinklers				
<b>TOTAL VALUE</b>				<b>939,916</b>

Jurisdiction Code **cb** By Ordinance

Bldg Permit Fee by Ordinance ▼

**\$3,194 25**

Plan Check Fee by Ordinance ▼

**\$2,076 26**

Type of Review



**Complete Review**



Structural Only



Repetitive Fee

**Repeats**



Other



Hourly

Hour \*

**Esgil Plan Review Fee**

**\$1,788 78**

Comments

# PLANNING/ENGINEERING APPROVALS

PERMIT NUMBER **CB** 080879

DATE 6/6/08

ADDRESS 2055 Corte Del Arbol

RESIDENTIAL

TENANT IMPROVEMENT

RESIDENTIAL ADDITION MINOR  
( $< \$10,000.00$ )

PLAZA CAMINO REAL

CARLSBAD COMPANY STORES

VILLAGE FAIRE

COMPLETE OFFICE BUILDING

OTHER Bldg Feed @s all office

PLANNER \_\_\_\_\_

DATE \_\_\_\_\_

ENGINEER 

DATE 6/6/08

**PLANNING DEPARTMENT  
BUILDING PLAN CHECK REVIEW CHECKLIST**

Plan Check No CB080879 Address 2055 Corte del Nogal  
 Planner Deborah Milam Phone (760) 602-4619  
 APN 213-061-08  
 Type of Project & Use TI Net Project Density DU/AC  
 Zoning P-M General Plan PI Facilities Management Zone \_\_\_\_\_  
 CFD (in/out) # \_\_\_\_\_ Date of participation \_\_\_\_\_ Remaining net dev acres \_\_\_\_\_

Circle One (For non-residential development Type of land used created by this permit  
 \_\_\_\_\_)

**Legend** ☒ Item Complete ☐ Item Incomplete - Needs your action

☒ ☐ ☐ **Environmental Review Required** YES ☐ NO ☐ TYPE

DATE OF COMPLETION \_\_\_\_\_

Compliance with conditions of approval? If not, state conditions which require action  
 Conditions of Approval \_\_\_\_\_

☒ ☐ ☐ **Discretionary Action Required** YES ☐ NO ☐ TYPE \_\_\_\_\_

APPROVAL/RESO NO \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT NO \_\_\_\_\_

OTHER RELATED CASES \_\_\_\_\_

Compliance with conditions or approval? If not, state conditions which require action  
 Conditions of Approval \_\_\_\_\_

☒ ☐ ☐ **Coastal Zone Assessment/Compliance**

Project site located in Coastal Zone? YES ☐ NO ☐

CA Coastal Commission Authority? YES ☐ NO ☐

If California Coastal Commission Authority Contact them at – 7575 Metropolitan Drive, Suite 103,  
 San Diego, CA 92108-4402, (619) 767-2370

Determine status (Coastal Permit Required or Exempt) \_\_\_\_\_

☒ ☐ ☐ **Habitat Management Plan**

Data Entry Completed? YES ☐ NO ☐

If property has Habitat Type identified in Table 11 of HMP, complete HMP Permit application and  
 assess fees in Permits Plus

(A/P/Ds, Activity Maintenance, enter CB#, toolbar, Screens, HMP Fees, Enter Acres of Habitat Type  
 impacted/taken, UPDATE!)

☒ ☐ ☐ **Inclusionary Housing Fee required** YES ☐ NO ☐  
 (Effective date of Inclusionary Housing Ordinance - May 21, 1993 )

Data Entry Completed? YES ☐ NO ☐

(A/P/Ds, Activity Maintenance, enter CB#, toolbar, Screens, Housing Fees, Construct Housing Y/N,  
 Enter Fee, UPDATE!)

Plan Check #1 by Dm Date 6/2/08  
 Plan Check #2 by \_\_\_\_\_ Date \_\_\_\_\_  
 Plan Check #3 by \_\_\_\_\_ Date \_\_\_\_\_

☒ ☐ ☐

☒ ☐ ☐

☒ ☐ ☐

☒ ☐ ☐

**Site Plan**☒ ☐ ☐

Provide a fully dimensional site plan drawn to scale Show North arrow, property lines, easements, existing and proposed structures, streets, existing street improvements, right-of-way width, dimensional setbacks and existing topographical lines (including all side and rear yard slopes) Provide legal description of property and assessor's parcel number

**Policy 44 – Neighborhood Architectural Design Guidelines**☒ ☐ ☐1 Applicability YES ☐ NO ☐☐ ☐ ☐2 Project complies YES ☐ NO ☐**Zoning**☒ ☐ ☐

1 Setbacks

Front	Required _____	Shown _____
Interior Side	Required _____	Shown _____
Street Side	Required _____	Shown _____
Rear	Required _____	Shown _____
Top of slope	Required _____	Shown _____

☒ ☐ ☐

2 Accessory structure setbacks

Front	Required _____	Shown _____
Interior Side	Required _____	Shown _____
Street Side	Required _____	Shown _____
Rear	Required _____	Shown _____
Structure separation	Required _____	Shown _____

☒ ☐ ☐

3 Lot Coverage Required \_\_\_\_\_ Shown \_\_\_\_\_

☒ ☐ ☐

4 Height Required \_\_\_\_\_ Shown \_\_\_\_\_

☐ ☒ ☐

5 Parking ~~not shown~~ Spaces Required \_\_\_\_\_ Shown \_\_\_\_\_ *existing office remains office*  
 (breakdown by uses for commercial and industrial projects required)

Residential Guest Spaces Required \_\_\_\_\_ Shown \_\_\_\_\_

☐ ☒ ☐

Additional Comments Correction #1 Please show how new and moved roof-mounted equipment will be screened from ground level view A side elevation of the building with proposed equipment and mechanism of screening to scale will be fine

OK TO ISSUE AND ENTERED APPROVAL INTO COMPUTER \_\_\_\_\_ DATE \_\_\_\_\_

*Deborah Milam*



# Carlsbad Fire Department

Plan Review Requirements Category TI , INDUST

Date of Report 07-03-2008

Reviewed by Awong

Name S D C CORTE L L C  
Address 7065 EL CAJON BLVD  
SAN DIEGO CA  
92115

**BLDG DEPT COPY**

Permit # CB080879

Job Name MC CONSULTANTS- 27,347 SF  
Job Address 2055 CORTE DEL NOGAL CBAD

~~**INCOMPLETE** The item you have submitted for review is incomplete. At this time, this office cannot adequately conduct a review to determine compliance with the applicable codes and/or standards. Please review carefully all comments attached. Please resubmit the necessary plans and/or specifications, with changes "clouded", to this office for review and approval.~~

## Conditions

Cond CON0002803  
[NOT MET]

1 Sheets A2 5 & A2 6 - Illuminated exit signs shall be shown on electrical plans

Entry 05/27/2008 By cwong Action CO

Cond CON0002902  
[MET]

**\*\*APPROVED**

THIS PROJECT HAS BEEN REVIEWED AND APPROVED FOR THE PURPOSES OF ISSUANCE OF A BUILDING PERMIT

THIS APPROVAL IS SUBJECT TO FIELD INSPECTIONS, ANY REQUIRED TESTS, FIRE DEPARTMENT NOTATIONS,  
CONDITIONS IN CORRESPONDENCE AND COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS

THIS APPROVAL SHALL NOT BE HELD TO PERMIT OR APPROVE ANY VIOLATION OF THE LAW

Entry 07/03/2008 By cwong Action AP





## Carlsbad Fire Department

Plan Review      *Requirements Category*    TI , INDUST

Date of Report 05-27-2008

Reviewed by

A handwritten signature in black ink, appearing to be "awong", written over a horizontal line.

Name                      S D C CORTE L L C  
Address  
7065 EL CAJON BLVD  
SAN DIEGO CA  
92115

**BLDG. DEPT COPY**

Permit # CB080879

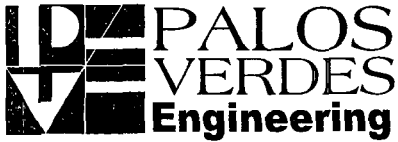
Job Name      MC CONSULTANTS- 27,347 SF  
Job Address    2055 CORTE DEL NOGAL CBAD

**INCOMPLETE**    The item you have submitted for review is incomplete. At this time, this office cannot adequately conduct a review to determine compliance with the applicable codes and/or standards. Please review carefully all comments attached. Please resubmit the necessary plans and/or specifications, with changes "clouded", to this office for review and approval.

### Conditions

Cond CON0002803  
[NOT MET]

1 Sheets A2 5 & A2 6 - Illuminated exit signs shall be shown on electrical plans  
Entry 05/27/2008 By cwong Action CO



Civil and Structural Consulting

☐ Please Respond To  
6027-I Paseo Delicias  
P O Box 2211  
Rancho Santa Fe  
California 92067-2211

858 759 2434  
858 759 8324 FAX  
ranchosantafe@pvec.com

☐ Please Respond To  
27520 Hawthorne Blvd  
Suite 250  
Rolling Hills Estates  
California 90274-3512

310 541 5055  
310 541 0321 FAX  
info@pvec.com

## Structural Calculations

Tenant Improvement

Prepared For

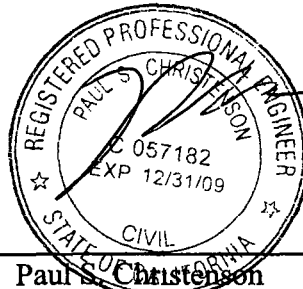
**Warren W Scott Architecture**

987 Hermes Avenue  
Encinitas, CA 92024

Project

**MC Consultants, Inc**

2055 Corte del Nogal  
Carlsbad, CA



Paul S. Christenson  
RCE C57182, exp 12/31/09

PROJECT ENGINEER

April 23, 2008

PVEC File No 24-08-261

6-11-08

Copy III

CDG 87

# PALOS VERDES ENGINEERING CORPORATION

6027-I Paseo Delicias \* P O Box 2211 \* Rancho Santa Fe, CA 92067

Telephone (858) 759-2434 - Fax (858) 759-8324

## 1 0 Design Criteria

MC Consultants, Inc  
24-08-261

Code	2007 California Building Code - ASCE 7-05		
Timber	Douglas Fir-Larch (DF-L), WWP or WCLIB		
	2x Wall Framing	DF-L #2 (unless noted otherwise)	
	2x Rafters & Joists	DF-L #2	“ ”
	Posts & Beams	DF-L #1	“ ”
Glue-Lam Beams	Simple Span	Grade 24F-V4 (DF/DF)	
	Cantilevers	Grade 24F-V8 (DF/DF)	
Sheathing	Min APA-Rated Sheathing, Exposure 1, Plywood or OSB (U N O )		
Engineered Framing	Wood I-Joists	TJI 110,210,230,360,560	ICC ESR-1153
	LVL, PSL	1 9E Microllam, 2 0E Parallam	ICBO ER-4979
Concrete	Compressive Strength @ 28 days per ASTM C39-96		
	Footings	f'c = 2500 psi	
	Grade Beams	f'c = 3000 psi	
Concrete Block	Grade N-I per ASTM C90-95, f'm = 1500 psi per ASTM E447-92		
Mortar	Type S Mortar Cement per ASTM C270-95, Min f'm = 1800 psi @ 28 days		
Grout	Coarse Grout w/ 3/8" Max Aggregate per ASTM C476-91, Min f'm = 2000 psi @ 28 days		
Reinforcing Steel	#4 & Larger	ASTM A615-60 (Fy = 60 ksi)	
	#3 & Smaller	ASTM A615-40 (Fy = 40 ksi)	
Structural Steel	‘W’ Shapes	ASTM A992, Fy= 50-65 ksi	
	Plates, Angles, Channels	ASTM A36, Fy = 36 ksi	
	Tube Shapes	ASTM A500, Grade B, Fy= 46 ksi	
	Pipe Shapes	ASTM A53, Grade B, Fy=35 ksi	
Welding Electrodes	Structural Steel	E70-T6	
	A615-60 Rebar	E90 Series	
Bolts	Sill Plate Anchor Bolts & Threaded Rods	A307 Quality Minimum	
	Steel Moment & Braced Frames	A325 (Bearing, U N O )	
Soils	1000 psf Bearing Pressure		
References			



**Palos Verdes Engineering Corporation**  
**Consulting Structural Engineers**

6027-1 Paseo Delicias \* P O Box 2211 \* Rancho Santa Fe, CA 92067  
Telephone (858) 759-2434 - Fax (858) 759-8324

JOB \_\_\_\_\_ 24-08-261  
SHEET NO 2 OF \_\_\_\_\_  
CALCULATED BY PSC DATE 4/23/08  
CHECK BY \_\_\_\_\_ DATE \_\_\_\_\_  
SCALE \_\_\_\_\_

**2 0 LOAD LIST**

**2 1 Roof (Vaulted)**

Roofing	5 5 psf
15/32" Sheathing	1 5 psf
Roof Framing	4 0 psf
5/8" Gyp Bd	2 8 psf
Insulation and Misc	1 2 psf
$\Sigma_{DL} =$	15 0 psf
$\Sigma_{LL} =$	20 0 psf
<b>Total Load =</b>	<b>35 0 psf</b>

**2 2 Roof (w/ ceiling)**

Roofing	5 5 psf
15/32" Sheathing	1 5 psf
Roof Framing	4 0 psf
Insulation and Misc	1 0 psf
$\Sigma_{DL} =$	12 0 psf
$\Sigma_{LL} =$	20 0 psf
<b>Total Load =</b>	<b>32 0 psf</b>

**2 3 Ceiling**

Ceiling Joists	1 0 psf
5/8" Gyp Bd	2 8 psf
Insulation and Misc	1 2 psf
$\Sigma_{DL} =$	5 0 psf
$\Sigma_{LL} =$	10 0 psf
<b>Total Load =</b>	<b>15 0 psf</b>

**2 4 Walls**

**Exterior Wall**

Conc Wall	90 0 psf
	0 psf
	0 psf
	0 psf
	0 psf
$\Sigma_{DL} =$	90 0 psf

**Interior Wall**

1/2" Gyp Bd (2 Sides)	4 6 psf
2x4 Studs @ 16" o c	1 1 psf
Misc	2 3 psf
$\Sigma_{DL} =$	8 0 psf



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JOB \_\_\_\_\_ 24-08-261  
SHEET NO 3 OF \_\_\_\_\_  
CALCULATED BY PSC DATE 4/23/08  
CHECK BY \_\_\_\_\_ DATE \_\_\_\_\_  
SCALE \_\_\_\_\_

**2 0 LOAD LIST (CONTIN)**

**2 5 Floor**

Floor Cover	5 5 psf
Sheathing	2 3 psf
2x F J	3 1 psf
5/8" Gyp Bd	2 8 psf
Insulation and Misc	1 3 psf
$\Sigma_{DL} =$	15 0 psf
$\Sigma_{LL} =$	50 0 psf
<b>Total Load =</b>	<b>65 0 psf</b>

**WIND PARAMETERS**

**2 6 Wind**

Basic Wind Speed = 85 mph Exposure Cat = C

$$P_s = \lambda K_{zt} * I * P_{s30} \quad (\text{ASCE 7 - Equation 6-1})$$

$$\lambda = 1.35 \quad (\text{fig 6-3}) \quad P_{s30} = 11.5 \text{ psf} \quad (\text{fig 6-3})$$
$$K_{zt} = 1.00 \quad (\text{fig 6-4}) \quad I = 1.0 \quad (\text{table 11.5-1})$$

$$P = 15.5 \text{ psf}$$

**2 7 Seismic**

$$S_{MS} = F_a S_s$$

$$S_{MS} = 1.207$$

$$S_{DS} = (2/3) S_{MS} \quad (11.4-3)$$

$$S_{DS} = 0.804$$

$$C_s = \frac{S_{DS}}{(R/I)}$$

$$C_s = 0.23$$

USE

$$V = C_s W_{DL} \quad \text{Equation 12.8-1 Applies}$$

$$V = 0.230 W_{DL}$$

**ASD BASE SHEAR**

$$V_{ASD} = \frac{C_s W_{DL}}{1.4}$$

$$V_{ASD} = 0.164 W_{DL}$$

**USGS APPLICATION**

$$S_s = 1.168 \quad S_1 = 0.442$$

$$F_a = 1.03 \quad F_v = 1.56$$

$$R = 3.5 \quad I = 1.00$$

$$h_n = 25.00$$

$$\text{Occupancy Category} = 2$$

$$\text{Site Class} = D$$

**SEISMIC DESIGN CATEGORY**

$$S_1 < 0.75 \quad (11.6 \text{ ASCE 7-05})$$

$$S_1 > 0.04 \quad (11.4.1 \text{ ASCE 7-05})$$

$$S_s > 0.15$$

$$T_a = C_t * (h_n)^{0.75} = 0.224$$

$$T_s = S_{DI}/S_{DS} = 0.459$$

$$k = 1.0$$

$$T_a < (0.8) T_s, \text{ OK}$$

$$T_a < 0.5$$

$$\text{Seismic Design Category} = D$$

3A/

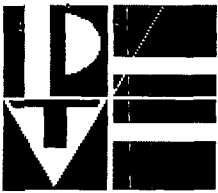
Conterminous 48 States  
2003 NEHRP Seismic Design Provisions  
Latitude = 33 12  
Longitude = -117 278  
Spectral Response Accelerations  $S_s$  and  $S_1$   
 $S_s$  and  $S_1$  = Mapped Spectral Acceleration Values  
Site Class B -  $F_a = 1.0$ ,  $F_v = 1.0$   
Data are based on a 0.01 deg grid spacing  
Period     $S_a$   
(sec)    (g)  
0.2    1.168 ( $S_s$ , Site Class B)  
1.0    0.442 ( $S_1$ , Site Class B)

Conterminous 48 States  
2003 NEHRP Seismic Design Provisions  
Latitude = 33 12  
Longitude = -117 278  
Spectral Response Accelerations  $S_M$ s and  $S_{M1}$   
 $S_M$ s =  $F_a S_s$  and  $S_{M1}$  =  $F_v S_1$   
Site Class D -  $F_a = 1.033$ ,  $F_v = 1.558$

Period     $S_a$   
(sec)    (g)  
0.2    1.207 ( $S_M$ s, Site Class D)  
1.0    0.688 ( $S_{M1}$ , Site Class D)

Conterminous 48 States  
2003 NEHRP Seismic Design Provisions  
Latitude = 33 12  
Longitude = -117 278  
 $S_D$ s =  $2/3 \times S_M$ s and  $S_{D1}$  =  $2/3 \times S_{M1}$   
Site Class D -  $F_a = 1.033$ ,  $F_v = 1.558$

Period     $S_a$   
(sec)    (g)  
0.2    0.805 ( $S_D$ s, Site Class D)  
1.0    0.459 ( $S_{D1}$ , Site Class D)



**Palos Verdes Engineering Corporation**  
**Consulting Structural Engineers**

6027-I Paseo Delicias \* P O Box 2211 \* Rancho Santa Fe, CA 92067  
Telephone (858) 759-2434 - Fax (858) 759-8324

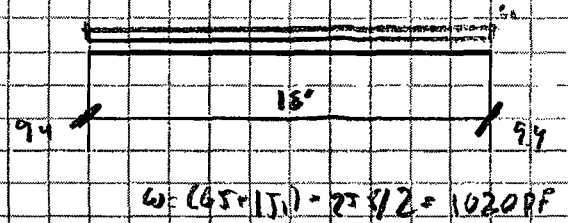
JOB \_\_\_\_\_ 24-08-261  
SHEET NO 4 OF \_\_\_\_\_  
CALCULATED BY PSC DATE 4/23/08  
CHECK BY \_\_\_\_\_ DATE \_\_\_\_\_  
SCALE \_\_\_\_\_

**40 FLOOR FRAMING**

41 (FB-1) BM @ INT'L STAIR

USE 5'11" x 16 PSL

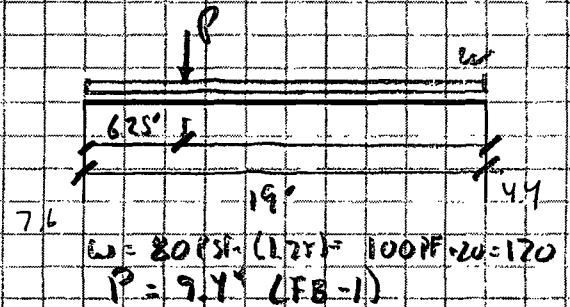
2 PG. 6



42 (FB-2) BM @ STAIR

USE 5'11" x 16 PSL

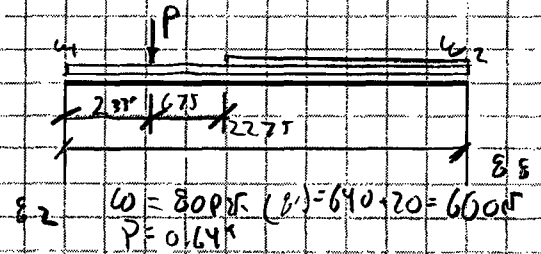
2 PG. 7



43 (FB-3) BM @ STAIR

USE 5'11" x 16 PSL

2 PG. 8





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JOB \_\_\_\_\_ 24-08-261  
 SHEET NO 5 OF \_\_\_\_\_  
 CALCULATED BY PSC DATE 4/23/08  
 CHECK BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SCALE \_\_\_\_\_

**40 FLOOR FRAMING (CONTIN)**

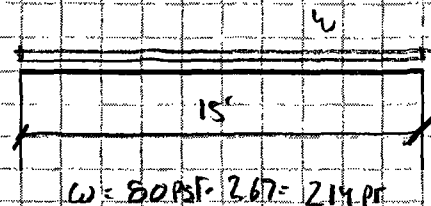
**4.4 (FB-4) FLOOR JOIST**

$$S = \frac{1/2 \times 214 \times 15^2}{2600 \times 115} = 24.2 \text{ in}^3 < 57.2$$

$$A = \frac{1/2 \times (214 + 15/2)}{260 \times 10} = 9.2 \text{ in}^2 < 24$$

$$I = \frac{5 \times 214 \times 15^4 \times 1726}{384 \times 1.666 \times 0.5} = 3047.4 < 400$$

USE 1 3/4" x 14" LVL @ 32"



$$W = 80 \text{ PSF} \times 2.67 = 214 \text{ PF}$$

**4.5 (FB-5) STAIR STRINGER**

$$S = \frac{59.9}{21} = 2.85 \text{ in}^3 < 15.7$$

$$\Delta = 4360 = 0.3 \text{ in} > 0.04 \text{ in} \rightarrow \text{OK}$$

USE 12" x 2" x 1/4" T.S



$$W = 130 \text{ PSF} \times (2.9') = 370 \text{ PF}$$

$$M = 59.9$$

$$V = 20$$

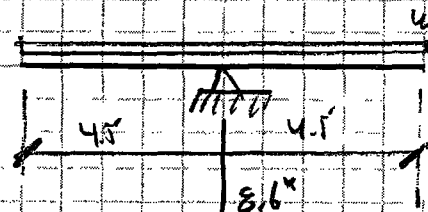
$$\Delta = 0.04 \text{ in}$$

**4.6 (FB-6) LANDING BM**

$$S = \frac{116.0 \text{ in}^3}{24 \text{ in}^3} = 4.83$$

$$\Delta = 4360 = 0.14 \text{ in} > 0.1 \text{ in} \rightarrow \text{OK}$$

USE 6" x 6" x 1/4" T.S



$$W = 130 \text{ PSF} \times (7.2') = 936 \text{ PF}$$

$$M = 116.0 \text{ in}^3$$

$$V = 43 \text{ in}$$

$$\Delta = 0.16 \text{ in}$$



Palos Verdes Engineering Corporation  
6027 Paseo Delicias  
P O Box 2211  
(858) 759 2434  
(858) 759-8324 (Fax)  
paul@pvec.com

Title  
Dsgnr  
Project Desc  
Project Notes

Job #

6/

Printed 29 APR 2008

## Wood Beam Design

ENERCALC INC 1983-2008 Ver 6 0 18 N 27083

File: KW-06006948

License Owner: PALOS VERDES ENGINEERING CORP

Description (FB 1) Flr Bm

### Material Properties

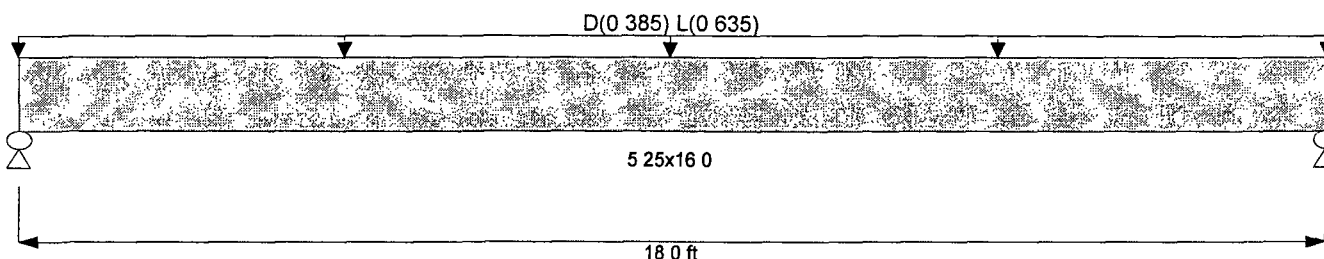
Calculations per IBC 2006, CBC 2007, 2005 NDS

Analysis Method Allowable Stress Design  
Load Combination 2006 IBC & ASCE 7-05

Fb Compr 2900 psi  
Fb Tension 2900 psi  
Fc Prll 1600 psi  
Fc Perp 650 psi  
Fv 290 psi  
Ft 1000 psi  
E Modulus of Elasticity  
Ebend-xx 2000 ksi  
Eminbend-xx 0 ksi  
Density 34 15pcf

Wood Species Truss Joist  
Wood Grade Parallam 2 OE

Beam Bracing Beam is Fully Braced against lateral-torsion buckling



### Applied Loads

Service loads entered Load Factors will be applied for calculations

Beam self weight calculated and added to loads

Load for Span Number 1

Uniform Load D = 0.385, L = 0.635 k/ft Tributary Width = 1.0 ft

### DESIGN SUMMARY

Maximum Bending Stress Ratio = 0.778 1  
Section used for this span 5 25x16 0  
fb Actual = 2 256 16psi  
FB Allowable = 2 900 00psi

Maximum Shear Stress Ratio = 0.491 1  
Section used for this span 5 25x16 0  
fv Actual = 142 45 psi  
Fv Allowable = 290 00 psi

Load Combination +D+L+H  
Location of maximum on span = 8.940 ft  
Span # where maximum occurs = Span # 1

Load Combination +D+L+H  
Location of maximum on span = 16.671 ft  
Span # where maximum occurs = Span # 1

Maximum Deflection  
Max Downward Live Load Deflection = 0.423 in  
Max Upward Live Load Deflection = 0.000 in  
Live Load Deflection Ratio = 510  
Max Downward Total Deflection = 0.693 in  
Max Upward Total Deflection = 0.000 in  
Total Deflection Ratio = 311

Support Reactions (kips)  
D L+Lr S W E H  
Support #1 3.64 5.72  
Support #2 3.64 5.72

### Overall Maximum Deflections - Unfactored Loads

Load Combination	Span	Max " Defl	Location in Span	Load Combination	Max "+ Defl	Location in Span
D + Lr + L	1	0.6927	9.060		0.0000	0.000

### Maximum Deflections for Load Combinations - Unfactored Loads

Load Combination	Span	Max Downward Defl	Location in Span	Max Upward Defl	Location in Span
D Only	1	0.2697	9.060	0.0000	0.000
Lr+L Only	1	0.4230	9.060	0.0000	0.000
D + Lr + L	1	0.6927	9.060	0.0000	0.000

### Maximum Reactions - Unfactored

Load Combination	Support	Vertical Reaction
Overall MAXimum	Support 1 (D + Lr + L)	9.359

Palos Verdes Engineering Corporation  
 6027 + Paseo Delicias  
 P O Box 2211  
 (858) 759 2434  
 (858) 759-8324 (Fax)  
 paul@pvec.com

Title  
 Dsgnr  
 Project Desc  
 Project Notes

Job #

7/

Printed 29 APR 2008

## Wood Beam Design

File: I:\sf backup\inet\folder\Jobs on CADD\PC\2008\08-261 MCS\cott\Calc\mcon.ec6  
 ENERCALC INC. 1983-2008 Ver 6.0.18 N 27083

License #: KW-06006941

License Owner: PALOS VERDES ENGINEERING CORP.

Description (FB 2) Flr Bm

### Material Properties

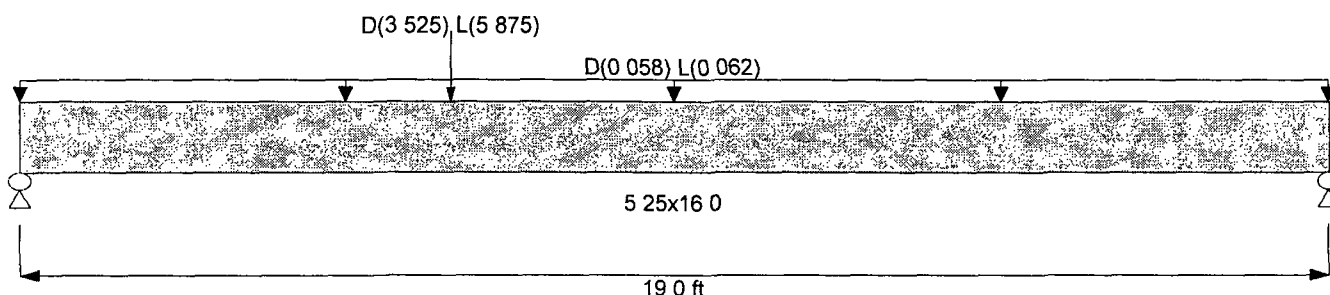
Calculations per IBC 2006, CBC 2007, 2005 NDS

Analysis Method Allowable Stress Design  
 Load Combination 2006 IBC & ASCE 7-05

Fb - Compr 2,900 0 psi  
 Fb - Tension 2,900 0 psi  
 Fc - Prll 1,600 0 psi  
 Fc - Perp 650 0 psi  
 Fv 290 0 psi  
 Ft 1,000 0 psi  
 E Modulus of Elasticity  
 Ebend xx 2 000 0 ksi  
 Eminbend - xx ksi  
 Density 34 150 pcf

Wood Species Truss Joist  
 Wood Grade Parallam 2 OE

Beam Bracing Beam is Fully Braced against lateral-torsion buckling



### Applied Loads

Service loads entered Load Factors will be applied for calculations

Beam self weight calculated and added to loads

Load for Span Number 1

Uniform Load D = 0.0580, L = 0.0620 k/ft, Tributary Width = 1.0 ft

Point Load D = 3.5250, L = 5.8750 k @ 6.260 ft

### DESIGN SUMMARY

Maximum Bending Stress Ratio = 0.830 1  
 Section used for this span 5.25x16.0  
 fb Actual = 2.408 41 psi  
 FB Allowable = 2.900 00 psi  
 Load Combination +D+L+H  
 Location of maximum on span = 6.248 ft  
 Span # where maximum occurs = Span # 1

Maximum Shear Stress Ratio = 0.459 1  
 Section used for this span 5.25x16.0  
 fv Actual = 133.10 psi  
 Fv Allowable = 290.00 psi  
 Load Combination +D+L+H  
 Location of maximum on span = 0.000 ft  
 Span # where maximum occurs = Span # 1

### Maximum Deflection

Max Downward Live Load Deflection = 0.400 in  
 Max Upward Live Load Deflection = 0.000 in  
 Live Load Deflection Ratio = 569  
 Max Downward Total Deflection = 0.674 in  
 Max Upward Total Deflection = 0.000 in  
 Total Deflection Ratio = 338

### Support Reactions (kips)

	D	L+Lr	S	W	E	H
Support #1	3.10	4.53				
Support #2	1.90	2.52				

### Overall Maximum Deflections Unfactored Loads

Load Combination	Span	Max + Defl	Location in Span	Load Combination	Max - Defl	Location in Span
D+Lr+L	1	0.000	0.000	D+Lr+L	0.674	8.799

### Maximum Deflections for Load Combinations Unfactored Loads

Load Combination	Span	Max Downward Defl	Location in Span	Max Upward Defl	Location in Span
D Only	1	0.2737	8.926	0.0000	0.000
Lr+L Only	1	0.4005	8.799	0.0000	0.000
D+Lr+L	1	0.6742	8.799	0.0000	0.000

Palos Verdes Engineering Corporation  
6027 Paseo Delicias  
P O Box 2211  
(858) 759 2434  
(858) 759-8324 (Fax)  
paul@pvec.com

Title  
Dsgnr  
Project Desc  
Project Notes

Job #

5/

Printed 30 APR 2008

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ENERCALC INC 1983-2008 Ver 6.0.18 N 27083

## Wood Beam Design

Job # KW-06006948

License Owner: PALOS VERDES ENGINEERING CORP

Description (FB 3) Flr Bm

### Material Properties

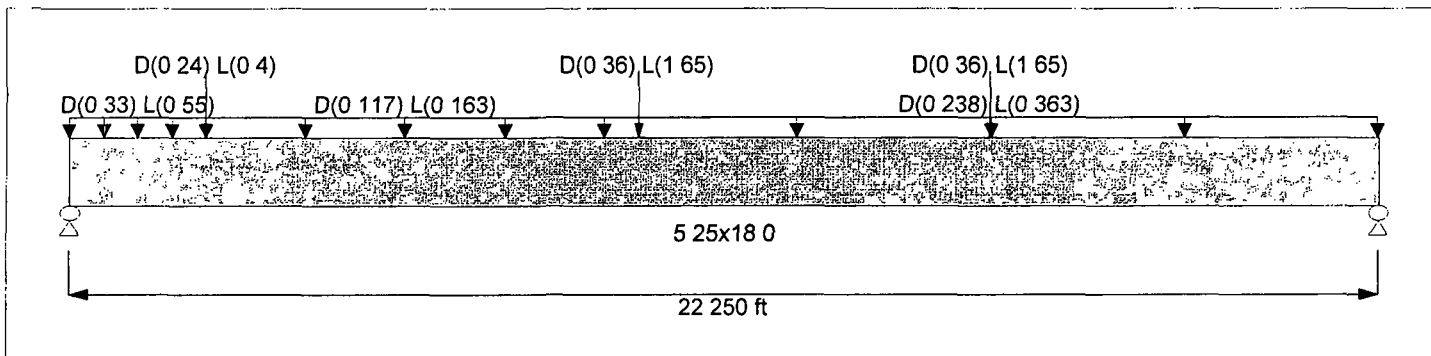
Calculations per IBC 2006, CBC 2007 2005 NDS

Analysis Method Allowable Stress Design  
Load Combination 2006 IBC & ASCE 7-05

Wood Species Truss Joist  
Wood Grade Parallam 2 OE

Beam Bracing Beam is Fully Braced against lateral-torsion buckling

Fb Compr 2,900.0 psi  
Fb Tension 2,900.0 psi  
Fc Prll 1,600.0 psi  
Fc Perp 650.0 psi  
Fv 290.0 psi  
Ft 1,000.0 psi  
E Modulus of Elasticity  
Ebend-xx 2,000.0 ksi  
Eminbend-xx ksi  
Density 34.150 pcf



### Applied Loads

Service loads entered Load Factors will be applied for calculations

Beam self weight calculated and added to loads

Load for Span Number 1

Uniform Load D = 0.330, L = 0.550 k/ft, Extent = 0.0 --> 2.330 ft, Tributary Width = 1.0 ft  
Uniform Load D = 0.1170, L = 0.1630 k/ft, Extent = 2.330 --> 9.080 ft, Tributary Width = 1.0 ft  
Uniform Load D = 0.2380, L = 0.3630 k/ft, Extent = 9.080 --> 22.250 ft, Tributary Width = 1.0 ft  
Point Load D = 0.240, L = 0.40 k @ 2.330 ft  
Point Load D = 0.360, L = 1.650 k @ 9.670 ft  
Point Load D = 0.360, L = 1.650 k @ 15.670 ft

### DESIGN SUMMARY

Maximum Bending Stress Ratio	=	0.7281	Maximum Shear Stress Ratio	=	0.4291
Section used for this span		5 25x18 0	Section used for this span		5 25x18 0
fb Actual	=	2,111.19 psi	fv Actual	=	124.43 psi
FB Allowable	=	2,900.00 psi	Fv Allowable	=	290.00 psi
Load Combination		+D+L+H	Load Combination		+D+L+H
Location of maximum on span	=	11.349 ft	Location of maximum on span	=	20.757 ft
Span # where maximum occurs	=	Span # 1	Span # where maximum occurs	=	Span # 1
Maximum Deflection			Support Reactions (kips)		
Max Downward Live Load Deflection	=	0.568 in			
Max Upward Live Load Deflection	=	0.000 in			
Live Load Deflection Ratio	=	470			
Max Downward Total Deflection	=	0.867 in			
Max Upward Total Deflection	=	0.000 in			
Total Deflection Ratio	=	308			

### Overall Maximum Deflections - Unfactored Loads

Load Combination	Span	Max " " Defl	Location in Span	Load Combination	Max " " Defl	Location in Span
D + Lr + L	1	0.8668	11.349		0.0000	0.000

### Maximum Deflections for Load Combinations - Unfactored Loads

Load Combination	Span	Max Downward Defl	Location in Span	Max Upward Defl	Location in Span
D Only	1	0.2991	11.349	0.0000	0.000
Lr+L Only	1	0.5676	11.349	0.0000	0.000



**Palos Verdes Engineering Corporation**  
**Consulting Structural Engineers**

6027-I Paseo Delicias \* P O Box 2211 \* Rancho Santa Fe, CA 92067  
Telephone (858) 759-2434 - Fax (858) 759-8324

JOB \_\_\_\_\_ 24-08-261  
SHEET NO 9 OF 9  
CALCULATED BY PSC DATE 4/23/08  
CHECK BY \_\_\_\_\_ DATE \_\_\_\_\_  
SCALE \_\_\_\_\_

## 6 0 FOUNDATION DESIGN

### 6 1 CONTINUOUS FOOTING

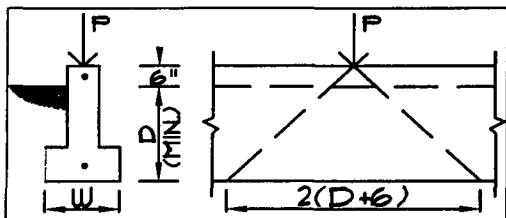
$$w = 1125 \text{ plf}$$

$$\text{ASBP} = 1000 \text{ psf}$$

$$\text{width} = \frac{1125 \text{ plf}}{1000 \text{ psf}} = 1.125 \text{ ft (MIN)} \Rightarrow 14 \text{ INCHES (MIN)}$$

(E) 15 " WIDE CONTIN FTG W/  
1 - # 4 TOP AND BOTTOM & EMBED  
18 " INTO UNDISTURBED SOIL (MIN)

### 6 2 MAX POINT LOAD ON FOOTING



$$P_{\text{all}} = 1000 * \frac{15}{12} * \frac{48}{12}$$

$$P_{\text{all}} = 5000 \text{ lbs}$$

### 6 3 PAD DESIGN

#### PAD

#### SIZE

#### LOAD

P1

36 " SQUARE x 12 " THK  
W/ 4 -# 4 EACH WAY

$$P_{\text{max}} = 1000 * 3^2$$
$$P_{\text{max}} = 9000 \text{ lbs}$$

P2

48 " SQUARE x 12 " THK  
W/ 5 -# 4 EACH WAY

$$P_{\text{max}} = 1000 * 4^2$$
$$P_{\text{max}} = 16000 \text{ lbs}$$

# Masterguard® Series

## DESCRIPTION

The Masterguard® Series is a range of six high flow rate Temperature Actuated Mixing Valves from 3/4" to 2" that mix hot water with cold to deliver tempered water at a controlled temperature, typically 120 F (49 C), 150 F (65 C) maximum

The Masterguards® are central mixers intended for installation in the plant room of commercial and industrial facilities to distribute controlled temperature water to the domestic hot water system of a whole building or a whole section of a building

The Masterguard® valves are state of the art incorporating the latest in Thermostatic Technology for superior performance. The Masterguard® thermostatic mechanism is based on proven expanding wax technology that provides greater accuracy, faster response to temperature changes and greater resistance to corrosion and failure than earlier technology. The Masterguard® Series incorporates fast acting high quality thermostatic elements that sense the outlet water temperature and react to maintain a stable delivery temperature even under varying and extremely low flows. The valves also greatly reduce the outlet flow in the event of a cold water supply failure.

The Masterguard® valves feature a robust design based on the expertise gained from years of experience in the design and manufacture of safety valves. Every valve is tested for performance on an automated testing station during the assembly process. The valves are ASSE 1017 listed.

The Masterguard® valves feature an adjusting handle that can be locked at a desired temperature. Alternatively it can function in an adjusting mode, with the handle clearly marked to indicate the direction to turn to achieve hotter or colder water temperatures.

Each Masterguard® valve has integral mounting feet to allow it to be securely fixed to a wall or frame.

The Masterguards® are complete with 4in1 Service Fittings on each inlet. The 4in1 Service Fittings provide:

- 1 Integral ball valve isolator
- 2 Large area cylindrical strainer
- 3 Gauge/flushing port to measure pressure or as flushing point
- 4 Check valves to prevent cross connection of hot to cold

The Service Fittings have a female inlet thread and connect to the base valve via union connections. The valve outlets are female NPT threaded. The Masterguard® valves range in size from 3/4" to 2".

## FEATURES AND BENEFITS

Accurate temperature control even at very low flows  
*Faster to commission, greater user comfort and safety*

Integral mounting feet on valve body  
*No extra brackets to buy, lower cost and more secure installation*

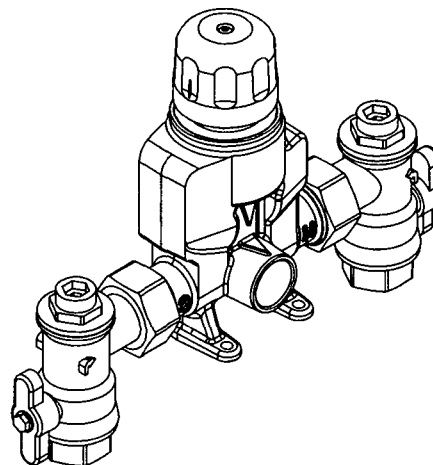
Fast reaction to changes in flow rate or supply temperature  
*Constant outlet temperature for greater comfort*

Robust, low complexity construction based on proven Thermostatic Technology  
*Superior reliability, improved user safety*

Listed by IAPMO and ASSE  
*Inspector friendly peace of mind!*

## SPECIFICATION

A Temperature Actuated Mixing Valve shall be installed at the hot water source to distribute tempered water throughout the domestic hot water system at a maximum of 150 F (65 C). The valve shall have a thermostatic control mechanism based on the expanding wax principle and shall have integral mounting feet. Each valve shall have integral poppet style check valves on both inlets with a positive seal of the poppet onto an elastomer seat to prevent cross connection from hot to cold. The valve shall be complete with integral ball valve isolators, strainers, check valves and gauge/flushing ports on each inlet. The valve shall be a Cash Acme Masterguard®.



**MASTERGUARD®**  
THERMOSTATIC MIXING VALVES

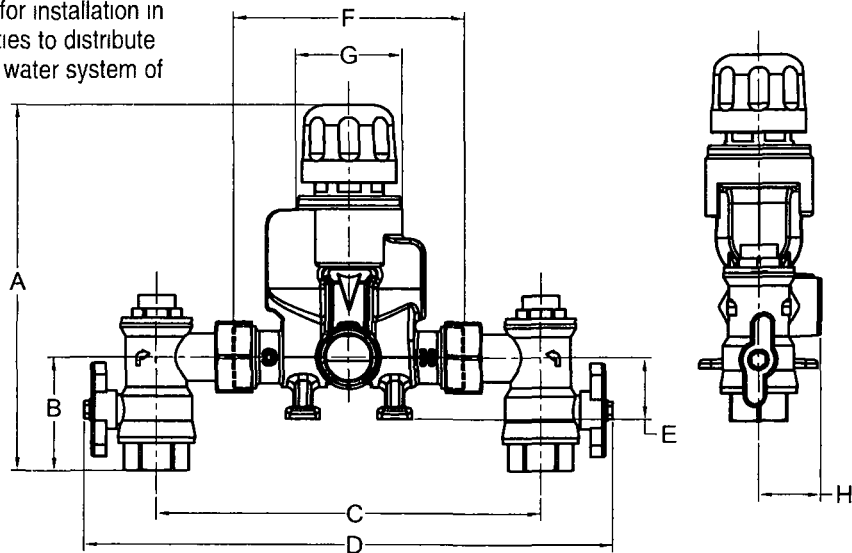
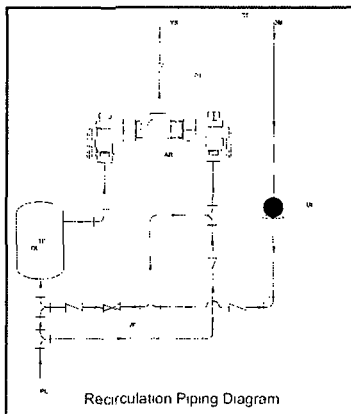
*CAF*

*CB08 879*

# Masterguard® Series

## TYPICAL INSTALLATION

The Masterguards® are central mixers intended for installation in the plant room of commercial and industrial facilities to distribute controlled temperature water to the domestic hot water system of a whole building or a whole section of a building



## SPECIFICATION DATA

Measurement in inches

Product	Inlet	Outlet	Flow at 45 psi	Min flow rate*	A	B	C	D	E	F	G	H
810	1/2	3/4	19 gpm	1 gpm	5.5	2.2	7.1	9.8	1.2	3.9	2.0	1.1
820	3/4	3/4"	30 gpm	2.5 gpm	6.7	2.4	8.1	11.3	1.3	4.9	2.4	1.3
830	3/4	1	51 gpm	4 gpm	9.2	2.4	10.0	13.1	1.7	6.7	3.5	1.9
840	1	1 1/4	75 gpm	8 gpm	10.2	2.8	10.2	13.6	1.7	6.5	3.5	1.9
850	1 1/4	1 1/2"	105 gpm	13 gpm	12.75	2.5	13.7	16.3	1.9	9.3	5.1	1.9
860	1 1/2	2	149 gpm	18.5 gpm	13.0	2.5	13.7	16.3	1.9	9.3	5.1	1.9

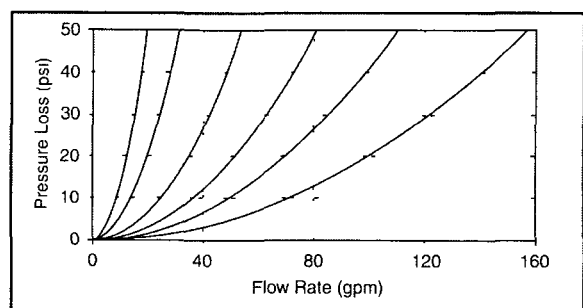
\*Valve can regulate temperature of lower flow rates with a properly designed recirculating system

### Performance

Outlet temperature range	95 - 150 F (35 - 65 C)
Temperature hot supply	195 F (90 C) maximum
Temperature cold supply	40 - 80 F (4 - 27 C)
Temperature stability	+/- 5 F (3 C)
Working pressure Maximum	145 psi (1,000 kPa)

### Materials

Body	Bronze, nickel plated
Seals	Nitrile elastomer
Springs	Stainless steel
Fitting	Brass
Internal	Brass
Piston	Engineered polymer (810-820), PTFE Coated Brass (830-860)

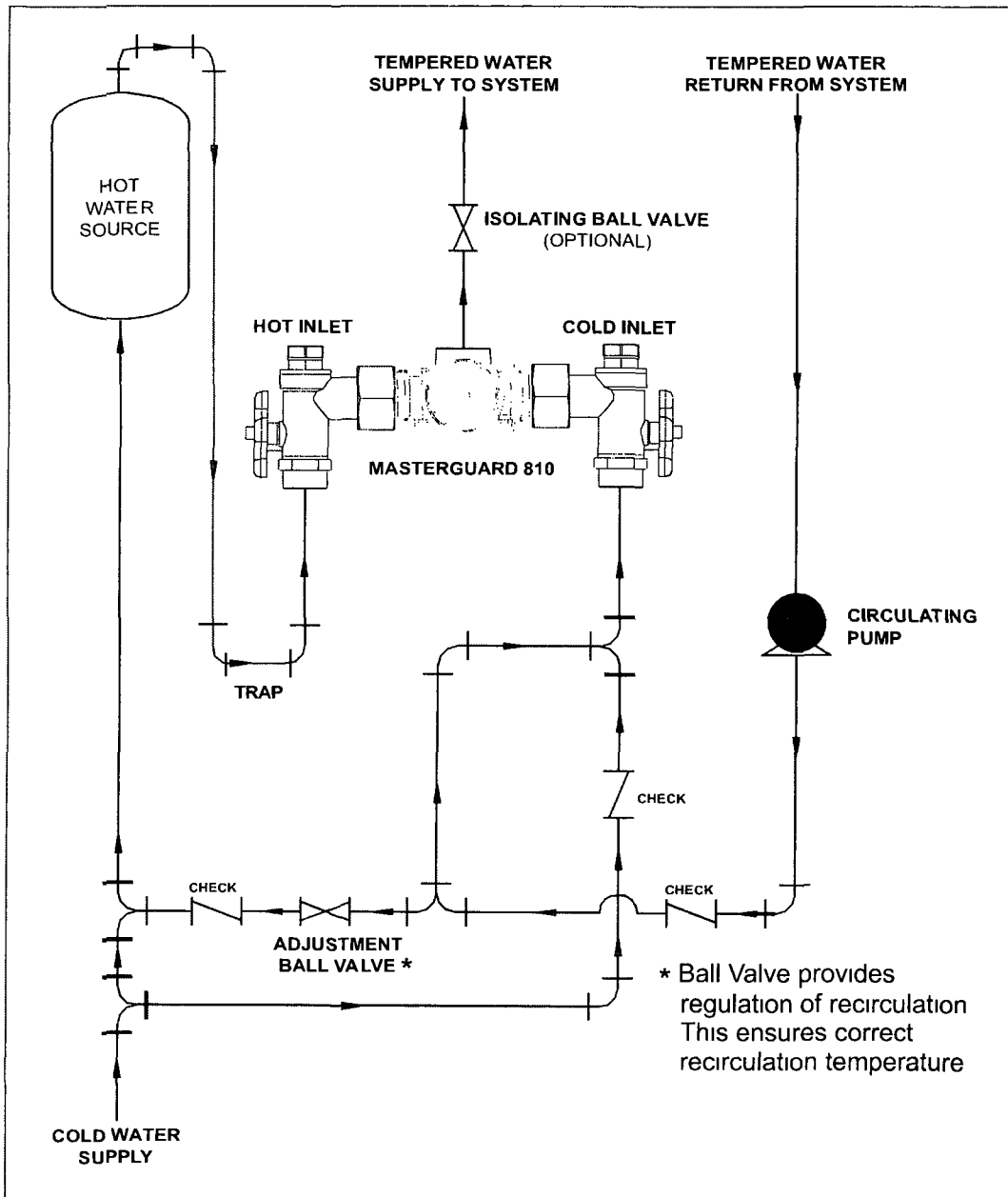


## CERTIFICATIONS\*

The Cash Acme Masterguard® Series is certified to ASSE 1017 and CSA B125.3  
The Cash Acme Masterguard® Series is listed by ASSE and IAPMO

# Masterguard Installation & Minimum Flows

## RECIRCULATION PIPING DIAGRAM



The Minimum flow rate for all Cash Acme Masterguard mixers is 5 GPM

Note This minimum flow rate is only applicable when the valve is installed as per the above diagram and in accordance with the instructions provided on the valve



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**Contractors State License Board**

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- Per B&P 7071.17, only construction related civil judgments reported to the CSLB are disclosed.
- Arbitrations are not listed unless the contractor fails to comply with the terms of the arbitration.
- Due to workload, there may be relevant information that has not yet been entered onto the Board's license database.

<b>License Number</b>	917929	<b>Extract Date</b>	07/08/2008				
<b>Business Information</b>	M C 3 CONSULTANTS INCORPORATED 5245 AVENIDA ENCINAS SUITE E CARLSBAD CA 92008 Business Phone Number (760) 930-9966						
<b>Entity</b>	Corporation						
<b>Issue Date</b>	06/20/2008						
<b>Expire Date</b>	06/30/2010						
<b>License Status</b>	This license is current and active. All information below should be reviewed						
<b>Classifications</b>	<table><tr><th>CLASS</th><th>DESCRIPTION</th></tr><tr><td>B</td><td>GENERAL BUILDING CONTRACTOR</td></tr></table>			CLASS	DESCRIPTION	B	GENERAL BUILDING CONTRACTOR
CLASS	DESCRIPTION						
B	GENERAL BUILDING CONTRACTOR						
<b>Bonding</b>	CONTRACTOR'S BOND  This license filed Contractor's Bond number <b>LSM0065229</b> in the amount of <b>\$12 500</b> with the bonding company <b>RLI INSURANCE COMPANY</b> . <b>Effective Date</b> 06/13/2008  BOND OF QUALIFYING INDIVIDUAL  1 This license filed Bond of Qualifying Individual number <b>LSM0065177</b> for <b>RONALD JOHN WITHALL</b> in the amount of <b>\$12 500</b> with the bonding company <b>RLI INSURANCE COMPANY</b> . <b>Effective Date</b> 06/13/2008						
<b>Workers Compensation</b>	This license has workers compensation insurance with the <b>TRAVELERS INDEMNITY COMPANY OF CONNECTICUT</b> . <b>Policy Number</b> UB3013M646 <b>Effective Date</b> 05/01/2008 <b>Expire Date</b> 05/01/2009						

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5/14/08 TO City - Fire + ESBK w/Stanley Calles  
need owner/Builder info/SHOW a Letter of authorization  
5-23-08 Esqil cum  
6-6-08 City @ HC  
6-19-08 Esqil cum

7/11/08 Response Sheet routed to Fire  
City III plan checked at Center by Play  
City III at FC

7/2/08 plans @ FC  
Need fire approval  
7/7/08 RTI - N w/ contractor info  
7/8/08 issued

applicant walked away w/Stanley Calles

Approved	Date	By
Building	7/2/08	
Planning	7/1/08	
Engineering	6-6-08	At
Fire	7/3/08	FC
Health		
HazMat/Air Quality		

Comments	Date
Building	5-23 6-19
Planning	6-6
Engineering	
Fire	5/27/08

Forms/Fees	Sent	Rec'd	Due?	By
School			Y N	
CFD			Y N	
PFF			Y N	
P E & M	6-6	6/27/08	Y N	FC
Special Insp			Y N	
Fire			Y N	
Sewer			Y N	

Fees Complete w/ 7/2  
Application & Related Docs Complete

❖ ATTN: CASHIER ❖  
CHECK BUS. LICENSE STATUS